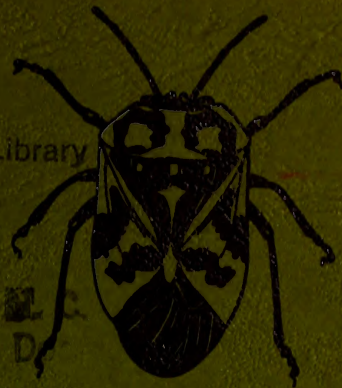
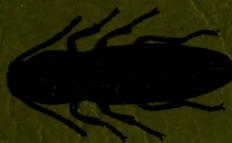
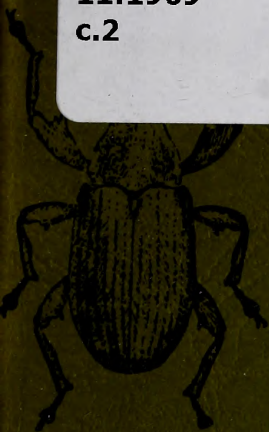


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North Carolina
INSECTICIDE REPORT
for 1969



THE BULLETIN

of the

North Carolina Department of Agriculture

JAMES A. GRAHAM, *Commissioner*

Number 199

June, 1970

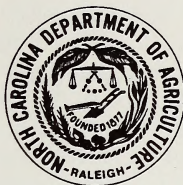


North Carolina

INSECTICIDE REPORT

for

January 1-December 31, 1969



THE BULLETIN

of the

North Carolina Department of Agriculture

Raleigh, N. C.

JAMES A. GRAHAM, *Commissioner*

JOHN L. REITZEL, *Assistant Commissioner*

E. W. CONSTABLE, *State Chemist*

WILLIAM B. BUFFALOE, *Pesticide Chemist*

Number 199

June, 1970

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Inspection and Analysis of Economic Poisons

Economic poisons or pesticides cover a large number of materials and mixtures intended for destroying, controlling, or repelling pests such as insects, weeds and other noxious plants, predatory animals and birds, soil-infesting pests such as nematodes, algae, snails and bacteria. Other examples are disinfectants, antiseptics and fungicides for use other than on living man or other animals, defoliants, various repellants, fly paper and other adhesive products whose action goes beyond simple mechanics, moth proofers, wood preservatives other than common paints, mildew controls, and seed fumigants and disinfectants.

An adequate and reliable supply of these products is as indispensable as is fertilizer in the production of food and fiber crops. Weed killers and defoliants are important adjuncts. The preservation of many products in storage and the control of domestic and industrial pests which affect both the health and welfare of human beings and animals are likewise dependent on such materials.

While encouraging the development and distribution of reliable products to serve these needs, and with due regard for public health and welfare, it is the purpose of the economic poisons law (the North Carolina Insecticide, Fungicide and Rodenticide Act of 1947, G. S. Article 4A, Chapter 106) to protect the public from adulterated, misbranded, worthless and dangerous products, and legitimate manufacturers from unscrupulous competition. Among other requirements, the law authorizes inspections, analyses of official samples taken from products offered for sale within the state and publication of the results. With other pertinent information there is given in this issue of The Bulletin a list of registrants, a summary of registrations and detailed results of analyses of official samples taken throughout the state by inspectors of the department for the calendar year 1969. Included also are the North Carolina Aerial Crop-Dusting Law, regulations and registrants under that law, for 1969.

Before any brand of economic poison can be legally offered for sale in the state, it is required that it be registered with the Department of Agriculture. Application forms, furnished by the department, must be submitted in triplicate with copy of all labeling and claims. Applications must be accompanied by an inspection fee of ten dollars per brand and grade, payable to the North Carolina Department of Agriculture. All registrations expire December 31 of each year and are subject to re-registration with annual payment of inspection fees. Requirements are given in fuller detail in the "Brief of North Carolina Insecticide Law" on pages 7 and 8. Copies of the law and related regulations are available on request.

A statewide inspection service is maintained for the collection of official samples of economic poisons from farms, other users and dealers. Individuals requests for inspections are followed up promptly.

Samples are sent to the department's laboratories for analysis and as soon as this work is completed, individual reports are forwarded to manufacturers, dealers and users. As a further means of reporting, an issue of The Bulletin covering a year's work as exemplified herewith, is published annually.

The economic poisons law gives control officials certain discretionary authority in dealing with borderline cases. The earnest cooperation of a great majority of manufacturers and dealers has been a valuable asset in the administration of the law.

Cooperative work by staff members of the North Carolina Experiment Station and Extension Service has been mutually beneficial and most helpful. Credit also is due members of the laboratory section for the highly satisfactory manner in which analytical work has been carried out: R. T. Teague, Assistant State Chemist; William Buffaloe, Pesticide Chemist; Henry Barnes, Harvey Clayton, Dwight Lowie, John Smith, George Winstead, Chemists; Mrs. Betty Griffin, Secretary; James R. Stevens, Chief Feed, Fertilizer & Pesticide Inspector; Henry O. Austin, A. G. Campbell, Jr., Larry Max Jackson, H. C. McPhail, Thomas M. Parker, Carl Williams, Inspectors; Sam Hinton, Laboratory Helper.

Brief of North Carolina Insecticide Law

Commissioner of Agriculture, Raleigh, North Carolina.

Administrative
Officer

1. The name and address of the guarantor.
2. The brand name or trademark.
3. The net weight or measure.
4. A guaranteed analysis statement showing:
 - a. The name and percentage of each active ingredient.
 - b. The total percentage of inert ingredients.
5. Instruction for use, adequate for protection of the public.
6. A warning or caution statement adequate to prevent injury.
7. For economic poisons highly toxic to man:
 - a. The skull and crossbones.
 - b. The word "Poison" in red, on distinctly contrasting background.
 - c. An antidote for the poison.
8. When arsenic is present—the percentage of the total and of the water-soluble arsenic separately and as elemental (metallic) arsenic.

Information
Required to
Appear on
Package
Labels

Other General Requirements

1. Strength and quality must not fall below that professed or claimed.
2. No false or misleading statements, design or other representation is permissible.
3. Imitations are not permitted.
4. Labeling may not refer to registration.
5. Labeling shall be legible and understandable.
6. Claims or directions for use may not deviate in substance, or composition vary, from representations made on registering.
7. Economic poisons must be sold in the registrant's or manufacturer's original package. If repackaged for sale, it loses its original identity and qualifies as a new product. As such it is subject to registra-

General
Requirements

tion and all other provisions of the law. Responsibility rests on the repackaging agent.

8. Economic poisons in powered form of white or light color require distinct further coloring for safety.

Each brand and grade of economic poisons must be registered prior to sale (application forms are furnished by the department), subject to renewal annually, January 1st. Duplication of registration by secondary sellers is not required.

Application must be accompanied by full information (see package labeling above), including specimen of labeling, all claims, and, if called for, certain additional data when necessary in qualifying the product.

An annual inspection tax of \$10.00 for each brand and each grade is required.

Inspection tax must accompany application for registration, payable to the North Carolina Department of Agriculture.

Registration is subject to refusal or cancellation for cause and upon hearing.

Goods not measuring up to requirements are subject to Stop-Sale Orders.

Short weight, in addition to above, is subject to penalty.

Registration

Inspection
Tax

Method of
Paying

Refusal or
Cancellation of
Registration

Stop-Sale
Orders

Short Weight

Exempt from Penalties of Law Are:

1. Carriers engaged in legal transporting.
2. Public officials while performing official duties.
3. Manufacturers and shippers of products properly identified for experimental use only.
4. Persons shown to be proceeding in good faith on guarantees and representations given by others. The original guarantor then is liable.

Exemptions

NOTE: Copies of the economic poisons law may be obtained upon request to the Inspection Division, North Carolina Department of Agriculture, Raleigh, North Carolina.

Economic Poisons Registrants, 1969

- ABCO, INC.**
R. D. No. 3
Irwin, Pennsylvania 15642
- ACELINE PRODUCTS CORPORATION**
27 Gorham Street
Rochester, New York 14605
- ACETO CHEMICAL COMPANY**
126-02 Northern Boulevard
Flushing, New York 11368
- ACME CHEMICAL COMPANY**
2506 North 32nd Street
Milwaukee, Wisconsin 53245
- ADKINS-PHELPS COMPANY**
313 East 4th Street
North Little Rock, Arkansas 72119
- AERO-MASTER, INC.**
325 West Pacific Avenue
St. Louis, Missouri 63119
- AEROSAL CORPORATION**
Box 501
Camp Hill, Pennsylvania 17011
- AEROSOL SPECIALTIES DEPARTMENT**
1010 Atlantic Street
Bridgeport, Connecticut 06605
- AIRKEM**
A Division of Airwick Industries, Inc.
111 Commerce Road
Carlstadt, New Jersey 07072
- AIROSOL COMPANY, INC.**
525 North 11th Street
Neodesha, Kansas 66757
- ALADDIN PRODUCTS**
3786 Northeast Expressway
Atlanta, Georgia 30340
- ALBERS MILLING COMPANY**
A Division of Carnation Company
5045 Wilshire Boulevard
Los Angeles, California 90036
- ALCATRAZ COMPANY, INC.**
P. O. Box 6675, 1900 Ellen Road
Richmond, Virginia 23230
- ALCO CHEMICAL COMPANY**
19220 Pioneer Boulevard
Artesia, California 90701
- ALFCO ROKEBY COMPANY, INC.**
2nd Street at St. Clair Street
Marietta, Ohio 45750
- ALFORD HOME PRODUCTS**
P. O. Box 239
Middlesex, North Carolina 27557
- ALL STAR MILLS, INC.**
P. O. Box 100
Albemarle, North Carolina 28001
- ALLIED CHEMICAL CORPORATION**
Agricultural Division
40 Rector Street
New York, New York 10006
- ALLIED DRUG PRODUCTS COMPANY**
1601 Gulf Street, P. O. Box 871
Chattanooga, Tennessee 37401
- ALLIED MILLS, INC.**
Chicago
Illinois 60606
- ALLIED MILLS, INC.**
P. O. Box 459
Libertyville, Illinois 60048
- ALLIED NATIONAL PRODUCTS, INC.**
235 North Artesian Avenue
Chicago, Illinois 60612
- AMCHEM PRODUCTS, INC.**
Brookside Avenue
Ambler, Pennsylvania 19002
- AMDAL COMPANY**
Agricultural Division
Abbott Laboratories
Abbott Park
North Chicago, Illinois 60064
- AMERICAN CANDLE CO., INC.**
63 Fourth Avenue
Haskell, New Jersey 07420
- AMERICAN CYANAMID COMPANY**
Agricultural Division
P. O. Box 400
Princeton, New Jersey 08540
- AMERICAN CYANAMID COMPANY**
Berdan Avenue
Wayne, New Jersey 07470
- AMERICAN MACHINERY CORPORATION**
P. O. Box 3228
Orlando, Florida 32802
- AMERICAN PAPER AND PLASTIC PRODUCTS, INC.**
4425 North Port Washington Road
Milwaukee, Wisconsin 53212
- AMERICAN POTASH AND CHEMICAL CORPORATION**
A Subsidiary of Kerr-McGee Corporation
3000 West 6th Street
Los Angeles, California 90054
- AMERICAN STERILIZER COMPANY**
2424 West 23rd Street
Erie, Pennsylvania 16512
- AMWAY CORPORATION**
7575 East Fulton Road
Ada, Michigan 49301
- ANCHOR SERUM COMPANY**
1101 Kentucky Avenue
Indianapolis, Indiana 46206
- ANDERSON, JAMES H. COMPANY**
418 West Peace Street
Raleigh, North Carolina 27603
- ANIMAL REPELLENTS, INC.**
980 Ellicott Street
Buffalo, New York 14209
- ANSUL COMPANY, THE**
One Stanton Street
Marinette, Wisconsin 54143
- APEX CHEMICAL COMPANY**
617 North Salem Street
Apex, North Carolina 27502

AQUARIUM SUPPLY COMPANY
Division of Sternco Industries, Inc.
50 Cooper Square
New York, New York 10003

AQUATECH CORPORATION
6020 East Speedway
Tucson, Arizona 85716

ARBROOK
(Now: Arbrook, Inc.)
Division of Ethicon, Inc.
Route 22
Somerville, New Jersey 08876

ARBROOK, INC.
Route 22
Somerville, New Jersey 08876

ARLAN'S DEPARTMENT STORES,
INC.
New York
New York

ARMOUR-DIAL, INC.
100 South Wacker Drive
Chicago, Illinois 60606

ARNOTT EXTERMINATORS, INC.
353 Massachusetts Avenue
Indianapolis, Indiana 46204

ASPDEN ASSOCIATES, INC.
P. O. Box 1737
Greensboro, North Carolina 27402

ASTOR PRODUCTS, INC.
5050 Edgewood Court
Jacksonville, Florida 32203

ATHENA CORPORATION
4838 Woodall
Dallas, Texas 75247

ATLA CHEMICAL COMPANY, INC.
P. O. Box 22
Summerfield, North Carolina 27358

ATLANTIC AND PACIFIC TEA
COMPANY, INC., THE GREAT
P. O. Box 1209
Charlotte, North Carolina 28201

ATLAS AGRICULTURAL
CHEMICALS, INC.
P. O. Box 717
Waynesboro, Georgia 30380

AVRIL, INC.
Third and Greenwich Streets
Reading, Pennsylvania 19601

AYERST LABORATORIES, INC.
685 Third Avenue
New York, New York 10017

BABSON BROTHERS COMPANY
2100 South York Road
Oak Brook, Illinois 60152

BACON PRODUCTS COMPANY, INC.
P. O. Box 8127
Chattanooga, Tennessee 37421

BADGER NORTHLAND, INC.
215 West Second Street
Kaukauna, Wisconsin 54130

BALCOM CHEMICALS, INC.
240 22nd Street, P. O. Box 667
Greeley, Colorado 80631

BARKER, MOORE AND MEIN
Myerstown
Pennsylvania 17067

BARNES-HIND
PHARMACEUTICALS, INC.
895 Kifer Road
Sunnyvale, California 94086

BECTION, DICKINSON AND
COMPANY
Rutherford
New Jersey 07070

BELKNAP HARDWARE AND
MANUFACTURING CO., INC.
Louisville
Kentucky

BEN VENUE LABORATORIES, INC.
270 Northfield Road
Bedford, Ohio 44146

BERLOU MANUFACTURING COMPANY
421 Monroe Street
Marion, Ohio 43302

BERNZOMATIC CORPORATION
740 Driving Park Avenue
Rochester, New York 14613

BEST ENTERPRISES, LTD.
2700 Hillsborough Road
Durham, North Carolina 27705

BEST, G. W.
Franklinton
North Carolina 27525

BIG STAR FOODS
P. O. Box 4358
Atlanta, Georgia 30302

BIO-LAB, INC.
627 East College Avenue
Decatur, Georgia 30030

BIO-LAB, INC. (AQUATECH
CORPORATION)
627 East College Avenue
Decatur, Georgia 30030

BIO-LAB, INC. (COTTON
PRODUCERS ASSOCIATION)
627 East College Avenue
Decatur, Georgia 30030

BIO-LAB, INC. (HANFORD
PRODUCE COMPANY)
P. O. Box 1489
Decatur, Georgia 30031

BIO-LAB, INC. (MEREDITH
SWIMMING POOL CO.)
627 East College Avenue
Decatur, Georgia 30030

BISSELL, INC.
919—18th Street, N. W.
Washington, D. C. 20006

BLACK LEAF PRODUCTS COMPANY
6147 North Broadway
Chicago, Illinois 60626

BLACK MAGIC COMPANY
P. O. Box 466
Valdosta, Georgia 31601

BLOX CHEMICAL COMPANY, INC.
341 Commercial Street
Malden, Massachusetts 02148

BLUE CHEMICAL COMPANY, INC.
P. O. Box 305
Garner, North Carolina 27529

BLUE MAGIC COMPANY OF
NORTH CAROLINA, INC.
509 South Lodge Street
Wilson, North Carolina 27898

BOHLENDER PLANT
CHEMICALS, INC.
Tipp City
Ohio 45371

BONIDE CHEMICAL COMPANY, INC.
382 North Genessee Street
Utica, New York 13502

BORDEN CHEMICAL COMPANY, THE
Smith-Douglass Division
P. O. Box 419
Norfolk, Virginia 23501
(Now: Smith-Douglass, Division of
Borden Chemical, Borden Inc.)

BORDEN, INC.
350 Madison Avenue
New York, New York 10017

BORDEN, INC.
Tykor Department
350 Madison Avenue
New York, New York 10017

BORDERLAND PRODUCTS, INC.
560 Fulton Street, Box 366
Buffalo, New York 14240

BOYER CHEMICAL COMPANY
1611 Church Street
Evanston, Illinois 60204

BOYLE-MIDWAY, INC.
635 Third Avenue
New York, New York 10017

BROWN MANUFACTURING COMPANY
1-3 Church Street
Le Roy, New York 14482

CESSCO, INC.
(Chemical and Equipment Sales and
Service Company)
3534 Central Avenue, Box 12452
Charlotte, North Carolina 28205

CALUMET DIVISION
Calumet and Hecla Corporation
One Calumet Avenue
Calumet, Michigan 49913

CAMBRIDGE TILE
MANUFACTURING COMPANY, THE
145 Caldwell Drive
Cincinnati, Ohio 45215

CANAAN PRODUCTS, INC.
105 Hudson Street
Jersey City, New Jersey 07302

CANDLE-LITE, INC.
9213 Blue Ash Road
Cincinnati, Ohio 45242

CAPE FEAR CHEMICALS, INC.
P. O. Box 695
Elizabethtown, North Carolina 28337

CAPE FEAR JANITORIAL
SUPPLIES COMPANY
483 Williams Street
Fayetteville, North Carolina 28302

CAPITOL CHEMICAL COMPANY
5455 Butler Road
Washington, D. C. 20016

CARAJON CHEMICAL
COMPANY, INC.
P. O. Box 167, 505 South Division
Fremont, Michigan 49412

CARBOLA CHEMICAL COMPANY, INC.
Natural Bridge
New York 13665

CARBOLINEUM WOOD
PRESERVING COMPANY
6683 North 40th Street
Milwaukee, Wisconsin 53209

CARDINAL CHEMICALS COMPANY
P. O. Box 11098, East Durham Station
Durham, North Carolina 27703

CARDINAL PRODUCTS
CORPORATION
80 N. W. 73rd Street
Miami, Florida 33150

CARGILL NUTRENA FEED DIVISION
Cargill Building
Minneapolis, Minnesota 55402

CARMEL CHEMICAL CORPORATION
P. O. Box 406
Westfield, Indiana 46074

CAROLINA CHEMICAL CORPORATION
Box 70
Wilson, North Carolina 27893

CAROLINA CHEMICALS, INC.
P. O. Box 118, Columbia Airport
West Columbia, South Carolina 29169

CAROLINA GARDEN AND
FARM SERVICE, INC.
279 East Main Avenue
Gastonia, North Carolina 28052

CARTER INSECTICIDE AND
CHEMICAL COMPANY, INC.
P. O. Box 127
Teachey, North Carolina 28464

CELLULOSE PRODUCTS
CORPORATION
Van Liew Avenue
Milltown, New Jersey 08850

CELOTEX CORPORATION, THE
1500 North Dale Mabry
Tampa, Florida 33607

CENTER CHEMICAL COMPANY
P. O. Box 80503
Atlanta, Georgia 30341

CENTRAL SOYA
300 Ft. Wayne Bank Building
Fort Wayne, Indiana 46802

CERFACT LABORATORIES
P. O. Box 47645
Atlanta, Georgia 30340

CERTIFIED LABORATORIES, INC.
P. O. Box 2493
Fort Worth, Texas 76101

CHAPMAN CHEMICAL COMPANY
416 Brooks Road
Memphis, Tennessee 38109

CHARLES, JOHN COMPANY
1513 Plaza del Amo
Torrance, California 90501

CHASE PRODUCTS COMPANY
(and/or S and S Products Division)
19th and Gardner Road
Broadview, Illinois 60153

CHEMAGRO CORPORATION
P. O. Box 4913—Hawthorn Road
Kansas City, Missouri 64120

CHEMICAL INSECTICIDE
CORPORATION
30 Whitman Avenue
Metuchen, New Jersey 08840

CHEMICAL PACKAGING
CORPORATION
1100 N. W. 70th Street
Fort Lauderdale, Florida 33309

CHEMICAL RESEARCH PRODUCTS
COMPANY, INC.
1034 West 45th Street
Norfolk, Virginia 23508

CHEMICAL SERVICE
Division of Imoco-Gateway Corporation
Howard and West Streets
Baltimore, Maryland 21230

CHEMICAL SPECIALTIES
CORPORATION
P. O. Box 4086, 1180 Diamond Avenue
Evansville, Indiana 47711

CHEMWAY CORPORATION
Fairfield Road
Wayne, New Jersey 07470

CHESTER CHEMICAL CORPORATION
2732 Sixth Avenue, South
St. Petersburg, Florida 33712

CHEVRON CHEMICAL COMPANY
Ortho Division
940 Hensley Street
Richmond, California 94804

CHICAGO CANDLE CORPORATION
141 West 62nd Street
Chicago, Illinois 60621

CIBA (AGROCHEMICAL COMPANY)
556 Morris Avenue
Summit, New Jersey 07901

CLARKE AND PROCTOR
TURPENTINE COMPANY, INC.
331-349 Worth Street, P. O. Box 194
Fayetteville, North Carolina 28302

CLASSIC PRODUCTS OF EDENTON
219 West Carteret Street
Edenton, North Carolina 27932

CLEAN HOME PRODUCTS, INC.
2805 Locust Street
St. Louis, Missouri 63103

CLEARY, W. A. CORPORATION
P. O. Box 749
New Brunswick, New Jersey 08903

CLEO WRAP CORPORATION
4025 Viscount
Memphis, Tennessee 38118

CLIMALENE COMPANY, THE
1022 Ninth Street, S. W.
Canton, Ohio 44707

CLINE-BUCKNER, INC.
439 East Carlin Avenue
Compton, California 90224

CLOROX COMPANY, THE
850—42nd Avenue
Oakland, California 94601

CLOVER PRODUCTS
146 University Avenue
Rochester, New York 14605

COAHOMA CHEMICAL
COMPANY, INC.
Box 550
Clarksdale, Mississippi 38614

COASTAL CHEMICAL
CORPORATION
P. O. Box 856
Greenville, North Carolina 27834

COLGATE-PALMOLIVE COMPANY
105 Hudson Street
Jersey City, New Jersey 07302

COLONIAL PRODUCTS, INC.
1830—10th Avenue, North
Lake Worth, Florida 33460

COLONIAL STORES, INC.
P. O. Box 4358
Atlanta, Georgia 30302

COMET MANUFACTURING
CORPORATION
1381 Dalon Drive, N. E.
Atlanta, Georgia 30306

COMMON SENSE MANUFACTURING
COMPANY, INC.
1392 Niagara Street
Buffalo, New York 14213

COMMUNITY CASH STORES
Spartanburg
South Carolina 29301

CONSOLIDATED PAINT AND
VARNISH CORPORATION
East Ohio Building
Cleveland, Ohio 44114

COOK CHEMICAL COMPANY
2500 Summit
Kansas City, Missouri 64141

COOK, THOMAS E. CHEMICAL
COMPANY
305 North Main Street
Springfield, Tennessee 37172

COOPER, WILLIAM AND
NEPHEWS, INC.
1909 North Clifton Avenue
Chicago, Illinois 60614

COPPER BRITE INC.
5147 West Jefferson Boulevard
Los Angeles, California 90016

CORN STATES HYBRID
SERVICES, INC.
P. O. Box 2706
Des Moines, Iowa 50315

COSSMAN AND LEVINE, INC.
1238 North Highland Avenue
Hollywood, California 90038

COTTER AND COMPANY
19th and Gardner Road
Broadview, Illinois 60153

COTTON PRODUCERS ASSOCIATION
Atlanta
Georgia

COWLEY, S. L. AND SONS
MANUFACTURING COMPANY, INC.
708 West McAlester Street
Hugo, Oklahoma 74743

CRE O TOX CHEMICAL
PRODUCTS COMPANY
2670 Broad Avenue
Memphis, Tennessee 38112

CREST CHEMICAL COMPANY, INC.
Race Track Road, P. O. Box 0
Oldsmar, Florida 33557

CROWN CHEMICALS, INC.
4995 North Main Street
Rockford, Illinois 61101

CUMBERLAND MANUFACTURING
COMPANY
Box 676—501 25th Avenue, North
Nashville, Tennessee 37202

CURRAN, FRANK J. COMPANY
8101 South Lemont Road
Downers Grove, Illinois 60515

CUTTER LABORATORIES, INC.
4th and Parker
Berkeley, California 94710

DADANT AND SONS, INC.
Hamilton
Illinois 62341

DALE CHEMICAL COMPANY
4044 Park Avenue
St. Louis, Missouri 63110

DALY-HERRING COMPANY
Neuse Road
Kinston, North Carolina 28501

DARWORTH, INC.
660 Hopmeadow Street
Simsbury, Connecticut 06070

DAUBERT CHEMICAL COMPANY
709 Enterprise Drive
Oak Brook, Illinois 60521

DAVIES-YOUNG COMPANY, THE
705 Albany Street
Dayton, Ohio 45401

DAVIES-YOUNG SOAP
COMPANY, THE
(Now: The Davies-Young Company)
705 Albany Street
Dayton, Ohio 45401

DAVIS AND GECK
American Cyanamid Company
North Middletown Road
Pearl River, New York 10965

DAWSON CHEMICAL COMPANY
1525 North Post Oak Road
Houston, Texas 77055

d-CON COMPANY, INC., THE
90 Park Avenue
New York, New York 10016

DEAD SEA WORKS CORPORATION
156 East 52nd Street
New York, New York 10022
(Now: International Chemical
Corporation)

DE LAVAL SEPARATOR
COMPANY, THE
350 Dutches Turnpike
Poughkeepsie, New York 12602

DEL CHEMICAL CORPORATION
P. O. Box 280
Menomonee Falls, Wisconsin 53051

DeMERT AND DOUGHERTY, INC.
4268 Utah Street
St. Louis, Missouri 63116

DeSOTO CHEMICAL COMPANY, INC.
P. O. Box 70
Arcadia, Florida 33821

DESTRUXOL CORPORATION, LTD.
1450 West 228th Street
Torrance, California 90501

DETAGENT CORPORATION
Box 177
Tully, New York 13159

DETTELBACH CHEMICAL
CORPORATION
P. O. Box 9608
Atlanta, Georgia 30319

DETTELBACH PESTICIDE
CORPORATION
4103 Peachtree Road, N. E.
Atlanta, Georgia 30319

DEWITT CHEMICAL COMPANY
P. O. Box 343
Atlanta, Georgia 30301

DIAMOND SHAMROCK CORPORATION
300 Union Commerce Building
Cleveland, Ohio 44115

DILL COMPANY, INC., THE
Washington Street and McKinley Avenue
Norristown, Pennsylvania 19404

DIVERSEY CHEMICAL COMPANY
212 West Monroe Street
Chicago, Illinois 60606

DIVERSEY CORPORATION, THE
(Now: Diversey Chemical Company)
212 West Monroe Street
Chicago, Illinois 60606

DIXI CHEM OF GREENVILLE, INC.
812 Hampton Avenue
Greenville, South Carolina 29602

DIXIE-O'BRIEN CORPORATION
P. O. Box 580
Brunswick, Georgia 31520

DOGGETT FISON COMPANY
Moonachie
New Jersey 07074

DOLGE, C. B. COMPANY, THE
Ferry Lane
Westport, Connecticut 06880

DOUGLAS CHEMICAL COMPANY
P. O. Box 297
Liberty, Missouri 64068

DOUGLAS CHEMICAL COMPANY
P. O. Box 6541
Richmond, Virginia 23230

DOW CHEMICAL COMPANY, THE
Midland
Michigan 48640

DRACKETT PRODUCTS
COMPANY, THE
5020 Spring Grove Avenue
Cincinnati, Ohio 45232

DRAGON CHEMICAL CORPORATION
7033 Walrond Drive
Roanoke, Virginia 24019

duPONT de NEMOURS AND
COMPANY, E. I.
6054 Du Pont Building
Wilmington, Delaware 19898

DURHAM CHEMICAL COMPANY
4124 East Pacific Way
Los Angeles, California 90023

DYNACHEM INDUSTRIES, INC.
430—13th Street
Carlstadt, New Jersey 07072

E-Z FLO CHEMICAL COMPANY
P. O. Box 337
Aberdeen, North Carolina 28315

EAGLE ARMY NAVY STORES
Building 148, Opa Locka Airport
Opa Locka, Florida 33054

ECHO PRODUCTS
Atlanta
Georgia 30301

ECHOLS MANUFACTURING COMPANY
4838 Woodall
Dallas, Texas 75247

ECONOMICS LABORATORY, INC.
Osborn Building
St. Paul, Minnesota 55102

ECONOMY STORES, INC.
Norfolk
Virginia 23502

EDWARDS-COUNCILOR
COMPANY, INC.
121 Colley Avenue
Norfolk, Virginia 23510

EIDOLON CORPORATION
P. O. Box 2659
Milwaukee, Wisconsin 53214

EISELE AND COMPANY, INC.
715 Massman Drive
Nashville, Tennessee 37210

ELANCO PRODUCTS COMPANY
A Division of Eli Lilly and Company
P. O. Box 1750
Indianapolis, Indiana 46206

ELECTRO-LINE PRODUCTS DIVISION
Flo-Tronics, Incorporated
350 South Tower
Saukville, Wisconsin 53080

ELECTROLUX CORPORATION
(Now: Electrolux Division of
Consolidated Foods Corporation)
235 East 42nd Street
New York, New York 10017

ELECTROLUX DIVISION OF
CONSOLIDATED FOODS CORPORATION
235 East 42nd Street
New York, New York 10017

ELROY TURPENTINE COMPANY
P. O. Box 688
Swainsboro, Georgia 30401

EMERY INDUSTRIES, INC.
4900 Este Avenue
Cincinnati, Ohio 45232

ENCAP PRODUCTS COMPANY
P. O. Box 425
Park Ridge, Illinois 60068

END-O-RAT COMPANY, THE
Division of Hilliard Products
Box 115
Lancaster, Pennsylvania 17557

ENJAY CHEMICAL COMPANY
Houston
Texas

ENOZ
Division of Irwin-Willert Company
4044 Park Avenue
St. Louis, Missouri 63110

ESCAMBIA CHEMICAL CORPORATION
1359 Schley Avenue
Albany, Georgia 31705

EVERLAB COMPANY INC.
11636 Administration Drive
St. Louis, Missouri 63166

EXCELL CHEMICAL
PRODUCTS COMPANY
4901 Umbria Street
Philadelphia, Pennsylvania 19127

FCX, INC.
121 East Davie Street
Raleigh, North Carolina 27602

F AND W ENTERPRISES, INC.
P. O. Box 15392
Tampa, Florida 33614

FAESY AND BESTHOFF, INC.
143 River Road
Edgewater, New Jersey 07020

FAIRFAX BIOLOGICAL LABORATORY
Clinton Corners
New York 12514

FAIRMOUNT CHEMICAL
COMPANY, INC.
117 Blanchard Street
Newark, New Jersey 07105

FAR-BEST CORPORATION
6715 McKinley Avenue
Los Angeles, California 90001

FARMINGDALE GARDEN LABS, INC.
136 Verdi Street
Farmingdale, New York 11735

FARNAM COMPANIES, INC.
315 North Central Avenue
P. O. Box 2151
Phoenix, Arizona 85001

FEDERAL CHEMICAL COMPANY, INC.
6100 North Keystone Avenue
Indianapolis, Indiana 46220

FENCE PAINTER CORPORATION
4335 South Tripp Avenue
Chicago, Illinois 60632

FERGUSON, ALEX C. COMPANY
44 East Oregon Avenue
Philadelphia, Pennsylvania 19148

FISONS CORPORATION
51 Eames Street
Wilmington, Massachusetts 01887

FLAG SULPHUR AND
CHEMICAL COMPANY
P. O. Box "G"
Tampa, Florida 33605

FLORIDA AGRICULTURAL
SUPPLY COMPANY
P. O. Box 658
Jacksonville, Florida 32201

FONTANA PRODUCTS
340 Durham Road
Wake Forest, North Carolina 27587

FORSHAW CHEMICALS, INC.
2020 Randolph Road
P. O. Box 6055
Charlotte, North Carolina 28207

FRANKLIN MAINTENANCE
PRODUCTS
24600 South Main Street
Wilmington, California 90744

FREE FLOW FERTILIZER COMPANY
P. O. Box 119
Maumee, Ohio 43537

FRENCH, R. T. COMPANY, THE
One Mustard Street
Rochester, New York 14609

FULD BROTHERS, INC.
702 South Wolfe Street
Baltimore, Maryland 21231

FULTON CHEMICAL COMPANY
P. O. Box 160
Sumter, South Carolina 29150

GAF CORPORATION
Textile Chemical Division
1228 Chestnut Street
Chattanooga, Tennessee 37402

GARDNER SUPPLY COMPANY, INC.
P. O. Box 1556
Statesville, North Carolina 28677

GARRATT-CALLAHAN COMPANY
111 Rollins Road
Millbrae, California 94030

GASTON JOHNSTON CORPORATION
24-64 45th Street
Long Island City, New York 11103

GEIGY AGRICULTURAL CHEMICALS
Ardsley
New York 10502

GEISLER PET PRODUCTS, INC.
3902 Leavenworth Street
Omaha, Nebraska 68105

GEORGIA-CAROLINA OIL COMPANY
P. O. Box 4304
Macon, Georgia 31208

GEORGIA-PACIFIC CORPORATION
Southern Coatings Division
P. O. Box 160
Sumter, South Carolina 29150

GETEM MANUFACTURING
COMPANY, INC.
1261 West 42nd Street
Norfolk, Virginia 23508

GLAND-O-LAC COMPANY, THE
Division of Ciba Corporation
1818 Leavenworth Street
Omaha, Nebraska 68101

GLOVER, H. CLAY COMPANY, INC.
1001 Franklin Avenue
Garden City, New York 11530

GOOD HOUSEKEEPER MAINTENANCE
SUPPLIES, INC.
210 West Main Street
Thomasville, North Carolina 27360

GORDON CHEMICAL COMPANY, INC.
Kansas City
Kansas

GOULD'S "DELL" PRODUCTS
Division of Dr. Davies Products
Company, Inc.
R. D. No. 1, Sylvan Dell Road
Williamsport, Pennsylvania 17701

GRACE, W. R. AND COMPANY
Agricultural Chemicals Group
Box 27147
Memphis, Tennessee 38127

GRACE, W. R. AND COMPANY
Box 357
Cary, North Carolina 27511

GRAHAM CHEMICAL COMPANY, INC.
No. 5 Battleground Court
Greensboro, North Carolina 27408

GRANT, W. T. COMPANY
1441 Broadway
New York, New York 10018

GREAT LAKES BIOCHEMICAL
COMPANY, INC.
6120 West Douglas Avenue
Milwaukee, Wisconsin 53218

GREAT LAKES CHEMICAL
CORPORATION
P. O. Box 2200
West Lafayette, Indiana 47906

GREEN LIGHT COMPANY
P. O. Box 6845
San Antonio, Texas 78209

GREEVER'S
Division of Murcofton, Inc.
P. O. Box 416
Chilhowie, Virginia 24319

GUARDIAN CHEMICAL COMPANY
P. O. Box 1354
Atlanta, Georgia 30301

GULF OIL CORPORATION
Gulf Building
Pittsburgh, Pennsylvania 15230

GURMICO CHEMICALS, INC.
P. O. Box 278
Princeton, North Carolina 27569

GUSTAFSON MANUFACTURING, INC.
6600 South County Road 18
Hopkins, Minnesota 55343

GUTH CHEMICAL COMPANY
332 South Center Street
Hillside, Illinois 60162

H AND M CHEMICAL COMPANY,
INC., THE
Sumter
South Carolina

HALLEMITE COMPANY
Lehn and Fink Industrial Products
Division of Sterling Drug, Inc.
225 Summit Avenue
Montvale, New Jersey 07645

HANDI-CLEAN PRODUCTS, INC.
301 Swing Road, P. O. Box 988
Greensboro, North Carolina 27402

HANFORD PRODUCE COMPANY
A Division of Swift and Company
Clarksville, Arkansas 72830

HAPPY JACK, INC.
Box 475
Snow Hill, North Carolina 28580

HARELL INTERNATIONAL, INC.
50 West State Street
Westport, Connecticut 06880

HARRIS, J. M. AND COMPANY, INC.
Roanoke
Virginia

HARRIS, P. F. MANUFACTURING
COMPANY, INC.
101 West 8th Street
North Little Rock, Arkansas 72114

HARRIS PRODUCTS COMPANY, INC.
P. O. Box 4
Miami Beach, Florida 33139

HARRIS SERUM AND SUPPLY
COMPANY
P. O. Box 61
McCook, Nebraska 69001

HARRIS-TEETER SUPER
MARKETS, INC.
Charlotte
North Carolina

HARTZ MOUNTAIN PRODUCTS
CORPORATION
50 Cooper Square
New York, New York 10003

HAVILAND PRODUCTS COMPANY
421 Ann Street, N. W.
Grand Rapids, Michigan 49502

HENDRIX AND DAIL, INC.
P. O. Box 695
Greenville, North Carolina 27834

HERCULES, INC.
910 Market Street
Wilmington, Delaware 19899

HERITAGE HOUSE PRODUCTS
A Unit of Diamond Alkali Company
300 Union Commerce Building
Cleveland, Ohio 44115

HESS AND CLARK
Division of Richardson-Merrell, Inc.
7th and Orange Streets
Ashland, Ohio 44805

HILL MANUFACTURING COMPANY
1500 Jonesboro Road, S. E.
Atlanta, Georgia 30315

HILLYARD SALES COMPANY
(EASTERN)
302 North 4th Street, P. O. Box 909
St. Joseph, Missouri 64502

HINSHAW MANUFACTURERS
AND DISTRIBUTORS
2402 Trent Road
New Bern, North Carolina 28560

HOFFMAN, A. H. INC.
P. O. Box 8
Landisville, Pennsylvania 17538

HOLCOMB, J. I. MANUFACTURING
COMPANY
1601 Barth Avenue
Indianapolis, Indiana 46203

HOLLAND-RANTOS COMPANY, INC.
393 Seventh Avenue
New York, New York 10001

HOLLYWOOD TERMITE CONTROL
COMPANY
2221 Poplar Boulevard
Alhambra, California 91802

HOOD CHEMICAL COMPANY
P. O. Box 368
Greenville, South Carolina 29602

HOOKER CHEMICAL CORPORATION
Buffalo Avenue and 47th
P. O. Box 344
Niagara Falls, New York 14302

HOPKINS AGRICULTURAL
CHEMICAL COMPANY
P. O. Box 584—537 Atlas Avenue
Madison, Wisconsin 53701

HORIZON INDUSTRIES
12807 Larchmere Road
Cleveland, Ohio 44120

HOT SHOT QUALITY PRODUCTS, INC.
701 North Main Street
Memphis, Tennessee 38101

HOUSEHOLD PRODUCTS COMPANY
Evanston
Illinois

HOUSTON CHEMICAL CORPORATION
One Gateway Center
Pittsburgh, Pennsylvania 15222

HOUSTON, SAM COMPANY
P. O. Box 662
Talladega, Alabama 35160

HOWERTON GOWEN CHEMICALS, INC.
East 11th Street, P. O. Box 247
Roanoke Rapids, North Carolina 27870

HUB AND ED WHOLESALE
Box 661
Mt. Holly, North Carolina 28120

HUB STATES CORPORATION
2000 North Illinois Street
Indianapolis, Indiana 46202

HUGÉ COMPANY, INC., THE
884 Hodiarnont Avenue
St. Louis, Missouri 63112

HUMBLE OIL AND REFINING
COMPANY
P. O. Box 2180
Houston, Texas 77001

HUMCO LABORATORY, INC.
1008 Whitaker St., P. O. Drawer 2550
Texarkana, Texas 75501

HUNT AND COMPANY, INC.
1016 Raleigh Street
Greensboro, North Carolina 27405

HUNTINGTON LABORATORIES, INC.
P. O. Box 710
Huntington, Indiana 46750

HYDROPONIC CHEMICAL
COMPANY, INC.
P. O. Box 97-C
Copley, Ohio 44321

HY-KIL LABORATORIES
P. O. Box 361
Highland Park, Illinois 60035

INDEPENDENT GROCERS ALLIANCE
DISTRIBUTING COMPANY
Chicago, Illinois

INDUSTRIAL CHEMICAL DIVISION
OF LEO SILFEN, INC.
525 Fourth Avenue
Mount Vernon, New York 10550

INDUSTRIAL FUMIGANT COMPANY
923 State Line
Kansas City, Missouri 64101

INTERNATIONAL CHEMICAL
CORPORATION
720 Fifth Avenue
New York, New York 10019

INTERNATIONAL DISTRIBUTORS,
INC.
P. O. Box 377
Memphis, Tennessee 38101

INTERNATIONAL LUBRICANT
CORPORATION
P. O. Box 51118
New Orleans, Louisiana 70150

INTERNATIONAL MINERALS AND
CHEMICAL CORPORATION
5401 Old Orchard Road
Skokie, Illinois 60076

IONAC CHEMICAL COMPANY
Birmingham
New Jersey 08011

IREDELL CHEMICAL COMPANY
P. O. Box 1556
Statesville, North Carolina 28677

IRWIN-WILLERT COMPANY
4044 Park Avenue
St. Louis, Missouri 63110

J AND F MANUFACTURING
COMPANY
P. O. Box 26363
Houston, Texas 77032

JOHNSON, S. C. AND SON, INC.
1525 Howe Street
Racine, Wisconsin 53403

KAISER AGRICULTURAL CHEMICALS
P. O. Box 246
Savannah, Georgia 31402

KAY CHEMICAL COMPANY
300 Swing Road
Greensboro, North Carolina 27409

KEM MANUFACTURING
CORPORATION
2075 Tucker Industrial Road
Tucker, Georgia 30084

KENDALL COMPANY, THE
Health Care Division
309 West Jackson Boulevard
Chicago, Illinois 60606

KENNECOTT COPPER CORPORATION
Special Products Division
P. O. Box 45539
Houston, Texas 77045

KENOVA CHEMICAL COMPANY
4044 Park Avenue
St. Louis, Missouri 63110

KERR-McGEE CHEMICAL
CORPORATION
133 Robert S. Kerr Avenue
Oklahoma City, Oklahoma 73102

KIMBELL-DIAMOND MILLING
COMPANY
Box 1540
Fort Worth, Texas 76101

KINDL PRODUCTS, INC.
Box 228
Ridgewood, New Jersey 07451

KING CHEMICAL COMPANY
2342 South Lauderdale
Memphis, Tennessee 38106

KING, JAMES W. COMPANY
6420 Elwood Avenue
Jacksonville, Florida 32208

KING MANUFACTURING COMPANY
2601 Davison Road
Flint, Michigan 48506

KING RESEARCH, INC.
114-12th Street
Brooklyn, New York 11215

KLENZADE PRODUCTS
Division of Economics Laboratory, Inc.
P. O. Box 1020
Beloit, Wisconsin 53511

KOHNSTAMM, H. AND
COMPANY, INC.
161 Avenue of the Americas
New York, New York 10013

KOOS, N. S. AND SON COMPANY
4500 13th Court
Kenosha, Wisconsin 53140

KOPPERS COMPANY, INC.
801 Koppers Building
Pittsburgh, Pennsylvania 15219

KROGER COMPANY, THE
1240 State Avenue
Cincinnati, Ohio 45204

LAB AUTOMATED CHEMICALS
Division of Imoco-Gateway Corporation
Howard and West Streets
Baltimore, Maryland 21230

LAING CHEMICAL COMPANY, INC.
P. O. Box 4896
Sacramento, California 95825

- LAMBERT-KAY, INC.
Division of Carter-Wallace
2619 Exposition Boulevard
Los Angeles, California 90018
- LAWN-A-MAT CHEMICAL AND
EQUIPMENT CORPORATION
153 Jefferson Avenue
Mineola, Long Island, New York 11501
- LAZARUS LABORATORIES, INC.
42-16 West Street
Long Island City, New York 11101
- LeGEAR LABORATORIES, INC.
4161 Beck Avenue
St. Louis, Missouri 63116
- LEGGE, WALTER G. COMPANY, INC.
101 Park Avenue
New York, New York 10017
- LEHN AND FINK PRODUCTS
Division of Sterling Drug, Inc.
Montvale, New Jersey 07645
- LILY PRODUCTS COMPANY
324 East Pima
Phoenix, Arizona 85004
- LINCK, O. E. DIVISION
Walco-Linck Corporation
1234 State Highway 46
Clifton, New Jersey 07015
- LORA LABORATORIES, INC.
2542 North Elston Avenue
Chicago, Illinois 60647
- McCALL MANUFACTURING
COMPANY, INC.
P. O. Box 145
Jasper, Florida 32052
- McCLELLAN VETERINARY
LABORATORIES
Division of Nutrilite Products, Inc.
Buena Park, California 90620
- McCORMICK AND COMPANY, INC.
11850 McCormick Road
Cockeysville, Maryland 21030
- McKESSON LABORATORIES
P. O. Box 548
Bridgeport, Connecticut 06602
- M AND M LIVESTOCK PRODUCTS
COMPANY
Eagle Grove
Iowa 50533
- MABEX COMPANY, THE
Umbria and Lemonte Streets
Philadelphia, Pennsylvania 19127
- MAINTENANCE SUPPLY
COMPANY, INC.
P. O. Box 498
Huntersville, North Carolina 28078
- MAINTENANCE SUPPLY SERVICE
CORPORATION
P. O. Box 498
Huntersville, North Carolina 28078
- MALLINCKRODT CHEMICAL WORKS
P. O. Box 5439
St. Louis, Missouri 63160
- MARK CHEMICAL COMPANY
190 North Cypress Street
Orange, California 92666
- MARS INDUSTRIES, INC.
5209 West Broadway
Minneapolis, Minnesota 55429
- MARTIN, C. J. AND SONS, INC.
1181 Airport Boulevard
Austin, Texas 78702
- MASTER PRODUCTS COMPANY
Box 531
Fayetteville, North Carolina 28302
- MASURY-COLUMBIA COMPANY
2525 West Armitage Avenue
Melrose Park, Illinois 60160
- MEDICAL SUPPLY COMPANY
1027 West State Street
Rockford, Illinois 61101
- MEHERRIN AGRICULTURAL AND
CHEMICAL COMPANY
Severn
North Carolina 27877
- MERCHANTS DISTRIBUTING, INC.
Hickory
North Carolina 28601
- MERCHANTS PET SUPPLY COMPANY
6009 South Malt Avenue
Los Angeles, California 90022
- MERCK AND COMPANY, INC.
Rahway
New Jersey 07065
- MEREDITH SWIMMING POOL
COMPANY
116 Stagecoach Trail
Greensboro, North Carolina 27409
- MICHIGAN CHEMICAL CORPORATION
351 East Ohio Street
Chicago, Illinois 60611
- MIDLAND LABORATORIES, INC.
210-220 Jones Street
Dubuque, Iowa 52001
- MILLER CHEMICAL AND
FERTILIZER CORPORATION
P. O. Box 311
Hanover, Pennsylvania 17331
- MILLER-MORTON COMPANY
2007 North Hamilton Street
Richmond, Virginia 23230
- MILLS-PEARSON CORPORATION
Dianol Division
Box 10968, 5925 Carrier Street, North
St. Petersburg, Florida 33733
- MIRACLE ADHESIVES CORPORATION
250 Pettit Avenue
Bellmore, New York 11710
- MIRACLE PET PRODUCTS, INC.
245 Cornelison Avenue
Jersey City, New Jersey 07302
- MISCO-CARE COMPANY
1021 South Noel Avenue
Wheeling, Illinois 60090
- MOBIL CHEMICAL COMPANY
Box 3705
Wilmington, North Carolina 28401
- MOBIL CHEMICAL COMPANY
Industrial Chemicals Division
401 East Main Street
Richmond, Virginia 23208

MOMAR, INC.
1830 Ellsworth Industrial Drive, N. W.
Atlanta, Georgia 30318

MONA INDUSTRIES, INC.
65 East 23rd Street
Paterson, New Jersey 07524

MONSANTO COMPANY
800 North Lindbergh Boulevard
St. Louis, Missouri 63166

MOORMAN MANUFACTURING
COMPANY
Quincy
Illinois 62301

MORTON CHEMICAL COMPANY
110 North Wacker Drive
Chicago, Illinois 60606
(Now: NOR-AM Agricultural
Products, Inc.)

MORTON SALT COMPANY
110 North Wacker Drive
Chicago, Illinois 60606

MOTOMCO, INC.
89 Terminal Avenue
Clark, New Jersey 07066

MUTUAL PRODUCTS COMPANY
509 North 4th Street
Minneapolis, Minnesota 55401

NALCO CHEMICAL COMPANY
6216 West 66th Place
Chicago, Illinois 60638

NATIONAL CHEMSEARCH
CORPORATION
P. O. Box 217—2730 Carl Road
Irving, Texas 75060

NATIONAL LABORATORIES
Lehn and Fink Industrial Products
Division of Sterling Drugs, Inc.
Montvale, New Jersey 07645

NATIONAL MOLASSES COMPANY
Super-Mol Division
Route 3, Box 498
Tampa, Florida 33619

NIAGARA CHEMICAL DIVISION
FMC Corporation
P. O. Box 1709
Jacksonville, Florida 32201

NIP-CO MANUFACTURING, INC.
Hilo Products Division
200 Main Street
New Rochelle, New York 10802

NIPPON SODA COMPANY, LTD.
Tokyo
Japan

NOK-OUT-BAM CHEMICAL
COMPANY, INC.
P. O. Box 466
Edgefield, South Carolina 29824

NOR-AM AGRICULTURAL
PRODUCTS, INC.
20 North Wacker Drive
Chicago, Illinois 60606

NORCLIFF LABORATORIES
P. O. Box 471
Fairfield, Connecticut 06433

NORDA ESSENTIAL OIL AND
CHEMICAL COMPANY, INC.
475 Tenth Avenue
New York, New York 10018

NORTHAMPTON COUNTY HEALTH
DEPARTMENT
P. O. Box 635
Jackson, North Carolina 27845

NOTT MANUFACTURING
COMPANY, INC.
Pleasant View Road
Pleasant Valley, New York 12569

NUTRILITE PRODUCTS, INC.
5600 Beach Boulevard
Buena Park, California 90620

OAKWOOD MEDICAL CENTER, INC.
6711 Kingston Pike
Knoxville, Tennessee 37919

OLD 97 COMPANY
2306 35th Street
Tampa, Florida 33605

OLIN CORPORATION
120 Long Ridge Road
Stamford, Connecticut 06904

917 Reynolds Street, P. O. Box 1665
Augusta, Georgia 30903

OLIN MATHIESON CHEMICAL
CORPORATION
(Now: Olin Corporation)

ORKIN EXTERMINATING
COMPANY, INC.
2170 Piedmont Road, N. E.
Atlanta, Georgia 30324

PPG INDUSTRIES, INC.
One Gateway Center
Pittsburgh, Pennsylvania 15222

PADDOCK POOL EQUIPMENT
COMPANY, INC.
118 Railroad Avenue
Albany, New York 12205

PAPER PRODUCTS, INC.
P. O. Box 5158
Long Beach, California 90805

PARAMOUNT CHEMICAL COMPANY
840 Selig Drive, P. O. Box 43106
Atlanta, Georgia 30336

PARK CHEMICAL COMPANY, INC.
P. O. Box 159
College Park, Georgia 30337

PARKE, DAVIS AND COMPANY
Joseph Campau at the River
Detroit, Michigan 48232

PARRAMORE AND GRIFFIN SEED
COMPANY, INC.
105 Boone Road
Valdosta, Georgia 31601

PAXTON ENTERPRISES
P. O. Box 286
Kingman, Arizona 86401

PEARSON AND COMPANY
P. O. Box 431
Mobile, Alabama 36601

PECK'S PRODUCTS COMPANY
610 East Clarence Avenue
St. Louis, Missouri 63147

PEELE, W. R. COMPANY, INC.
P. O. Box 275
Clayton, North Carolina 27520

PENGUIN DOWN COMPANY
Box 645
Corona, California 91720

PENICK, S. B. AND COMPANY
100 Church Street
New York, New York 10007

PENN CORPORATION
P. O. Box 191
Butler, Pennsylvania 16001

PENNEY, J. C. COMPANY, INC.
1301 Avenue of the Americas
New York, New York 10019

PENNSALT CHEMICALS
CORPORATION
Three Penn Center
Philadelphia, Pennsylvania 19102

PENNSALT CHEMICALS
CORPORATION
(Now: Pennwalt Corporation)
Agricultural Chemicals Division
2901 Taylor Way
Tacoma, Washington 98401

PENNSYLVANIA REFINING COMPANY
P. O. Box 671
Butler, Pennsylvania 16001

PENNWALT CORPORATION
Agricultural Chemicals Division
2901 Taylor Way
Tacoma, Washington 98401

PENOLA OIL COMPANY
Linden
New Jersey

PEST-GUARD PRODUCTS, INC.
(Now: Athena Corporation)
4838 Woodall
Dallas, Texas 75247

PET CHEMICALS, INC.
7781 N. W. 73rd Court
Miami Springs, Florida 33166

PET'M LABORATORIES, INC.
1500 Spring Garden Street
Philadelphia, Pennsylvania 19101

PFIZER, CHAS. AND COMPANY, INC.
235 East 42nd Street
New York, New York 10017

PHARMADYNE COMPANY
Brentwood
New York

PHELPS DODGE REFINING
CORPORATION
300 Park Avenue
New York, New York 10022

PIC CORPORATION
28-30 Canfield Street
Orange, New Jersey 07050

PIGGLY WIGGLY WHOLESALE, INC.
Charleston,
South Carolina

PIONEER MANUFACTURING
COMPANY, THE
3053 East 87th Street
Cleveland, Ohio 44104

PLANT MARVEL LABORATORIES
624 West 119th Street
Chicago, Illinois 60628

PLANT PRODUCTS CORPORATION
Kennedy Avenue
Blue Point, L. I., New York 11715

PLANTERS CHEMICAL COMPANY
Division of Thompson-Hayward
Chemical Company
3111 Virginia Beach Boulevard
Norfolk, Virginia 23516

PLEE-ZING INC.
Evanton
Illinois 60201

PLOUGH, INC.
3022 Jackson Avenue
Memphis, Tennessee 38101

POCATELLO SUPPLY DEPOT
Bureau of Sport Fisheries and Wildlife
Pocatello, Idaho 83201

POPLIN CHEMICAL COMPANY
Route 1, Box 300
Statesville, North Carolina 28677

PRATER, E. H. WHOLESALE
COMPANY
Route 3
Seneca, South Carolina 29678

PRATT, B. G. COMPANY
204 21st Avenue
Paterson, New Jersey 07509

PRIMROSE OIL COMPANY
11444 Denton Drive
Dallas, Texas 75229

PROCTOR AND GAMBLE
COMPANY, THE
P. O. Box 599
Cincinnati, Ohio 45201

PROGRESS CHEMICAL
COMPANY, INC.
P. O. Box 388, Railroad Street
Canton, Georgia 30114

PUREPAC CORPORATION
200 Elmora Avenue
Elizabeth, New Jersey 07207

PUREX CORPORATION, LTD.
24600 South Main Street
Wilmington, California 90744

PURITAN CHEMICAL COMPANY
916 Ashby Street, N. W.
Atlanta, Georgia 30318

QUINTON COMPANY
Rahway
New Jersey 07065

RALSTON PURINA COMPANY
835 South Eighth Street
St. Louis, Missouri 63199

RAWLEIGH, W. T. COMPANY, THE
223-225 East Main Street
Freeport, Illinois 61032

REARDON, W. G. LABORATORIES, INC.
330 North Main Street
Port Chester, New York 10573

RED AND WHITE
DISTRIBUTORS, INC.
Chicago
Illinois

REEFER-GALLER, INC.
105 Hudson Street
Jersey City, New Jersey 07302

REICHHOLD CHEMICALS, INC.
Tuscaloosa
Alabama 35401

RENUZIT HOME PRODUCTS COMPANY
3018 Market Street
Philadelphia, Pennsylvania 19104

REXALL DRUG AND CHEMICAL
COMPANY
8480 Beverly Boulevard
Los Angeles, California 90054
(Now: Rexall Drug Company)

REXALL DRUG COMPANY
3901 North Kingshighway Boulevard
St. Louis, Missouri 63115

RHODIA, INC.
Chipman Division
120 Jersey Avenue, P. O. Box 2009
New Brunswick, New Jersey 08903

RICHMOND FOOD STORES, INC.
Richmond
Virginia 23211

RIGO CHEMICAL COMPANY
Nashville
Tennessee

RIGO MANUFACTURING COMPANY
P. O. Box 1188
Nashville, Tennessee 37202

RINGER, JUDD CORPORATION
6860 Flying Cloud Drive
Eden Prairie, Minnesota 55343

RODENT CONTROL FUND
Agricultural Experiment Station
Lafayette, Indiana 47907

RODENT CONTROL FUND
University of Massachusetts
Amherst, Massachusetts 01002

ROEBIC LABORATORIES, INC.
355 Sackett Point Road
North Haven, Connecticut 06473

ROHM AND HAAS COMPANY
Independence Mall West
Philadelphia, Pennsylvania 19105

ROOTO CORPORATION, THE
33094 West 8 Mile Road
Farmington, Michigan 48024

ROSS DANIELS, INC.
P. O. Box 430, 1720 Fuller Road
West Des Moines, Iowa 50265

ROTENONE PRODUCTS COMPANY
110 Eaton Place
East Orange, New Jersey 07017

ROXO IMPORTS, INC.
9 East 38th Street
New York, New York 10016

ROYAL CHEMICAL COMPANY OF
CAROLINA
P. O. Box 922
Albemarle, North Carolina 28001

ROYSTER COMPANY
Agricultural Chemical Division
South Fields Street
Farmville, North Carolina 27828

ROYSTER, F. S. GUANO COMPANY
(Now: Royster Company)
Agricultural Chemical Division
South Fields Street
Farmville, North Carolina 27828

RUST-OLEUM CORPORATION
2301 Oakton Street
Evanston, Illinois 60204

SABINE CHEMICAL COMPANY, INC.
P. O. Box 1206
Port Arthur, Texas 77640

SALISBURY LABORATORIES
500 Gilbert Street
Charles City, Iowa 50616

SANFAX CHEMICALS
P. O. Box 80422
Atlanta, Georgia 30341

SARANDOS DEODORANT
COMPANY, INC.
6906 Ashcroft
Houston, Texas 77036

SAUER, C. F. COMPANY, THE
2000 West Broad Street
Richmond, Virginia 23220

SAV-MOR FOODS
Warsaw
North Carolina 28398

SCIENCE PRODUCTS COMPANY, INC.
2640 North Greenvview Avenue
Chicago, Illinois 60614

SCOTT, O. M. AND SONS COMPANY
Marysville
Ohio 43040

SEACOAST LABORATORIES, INC.
257 Highway 18
East Brunswick, New Jersey 08816

SEARS, ROEBUCK AND COMPANY
925 South Homan Avenue—Dept. 671
Chicago, Illinois 60607

SELIG CHEMICAL INDUSTRIES, THE
840 Selig Drive, P. O. Box 43106
Atlanta, Georgia 30336

SENORET CHEMICAL COMPANY, INC.
631 Leffingwell Avenue
St. Louis, Missouri 63122

SEXTON, JOHN AND COMPANY
1800 Churchman Avenue
Indianapolis, Indiana 46206

SHELL CHEMICAL COMPANY
A Division of Shell Oil Company
110 West 51st Street
New York, New York 10020

SHELL OIL COMPANY
50 West 50th Street
New York, New York 10020

SHEPARD CHEMICAL WORKS, INC.
Highway 74 East
Wilmington, North Carolina 28401

SHERWIN-WILLIAMS COMPANY, THE
P. O. Box 269
Bound Brook, New Jersey 08805

SIMONIZ COMPANY

Division of Morton International, Inc.
110 North Wacker Drive
Chicago, Illinois 60606

SINGLETARY AND COMPANY, INC.

143 South Washington Street
Rocky Mount, North Carolina 27801

SIVERO ENTERPRISES, INC.

P. O. Box 155
Dolton, Illinois 60419

SMITH-DOUGLASS

Division of Borden Chemical,
Borden Inc.
5100 Virginia Beach Boulevard
Norfolk, Virginia 23502

P. O. Box G
Columbus, Ohio 43208

SMITH, WILLIAM E.

Highway 64
Wendell, North Carolina 27591

SMO-CLOUD COMPANY

Division of Continental Chemiste
Corporation
2256 West Ogden Avenue
Chicago, Illinois 60612

SNO-BOL COMPANY

Division of A. E. Staley
Manufacturing Company
Pontiac, Michigan 48055

SOLARINE COMPANY, THE

225 North Calvert Street
Baltimore, Maryland 21202

SOUTHERN AGRICULTURAL
CHEMICALS, INC.

P. O. Drawer 527
Kingstree, South Carolina 29556

SOUTHERN AGRICULTURAL
INSECTICIDES, INC.

P. O. Box 85
Boone, North Carolina 28607

SOUTHERN CHEMICAL PRODUCTS
COMPANY

430 Lower Boundary, P. O. Box 205
Macon, Georgia 31202

SOUTHERN NATIONAL
MANUFACTURING COMPANY

Hollister
Missouri 65672

SOUTHERN TESTING AND
RESEARCH LABS, INC.

607 Park Avenue
Wilson, North Carolina 27893

SPARTAN CHEMICAL COMPANY, INC.

110 North Westwood Avenue
Toledo, Ohio 43607

SPARTAN GRAIN AND MILL COMPANY

P. O. Box 5687
Spartanburg, South Carolina 29301

SPINDLE CITY CHEMICAL
COMPANY

P. O. Box 444, 526 East Charlotte
Avenue
Sumter, South Carolina 29150

SPIRITTINE CHEMICAL COMPANY

1717 Castle Street
Wilmington, North Carolina 28401

SPRAYWAY, INC.

7644 South Vincennes Avenue
Chicago, Illinois 60620

STAFF SUPERMARKET

ASSOCIATES, INC.
333 Jericho Turnpike
Jericho, New York 11753

STALEY, A. E. MANUFACTURING
COMPANY

2200 East Eldorado
Decatur, Illinois 62525

STANDARD NAPHTHALENE
PRODUCTS COMPANY, INC.

1035 Belleville Turnpike
Kearny, New Jersey 07032

STANDARD PACKAGING
CORPORATION

111 Prospect Street
Stamford, Connecticut 06904

STANDARD SPRAY AND
CHEMICAL COMPANY

1405 West Olive Street, P. O. Box 63
Lakeland, Florida 33802

STANLEY HOME PRODUCTS, INC.

42 Arnold Street
Westfield, Massachusetts 01085

STARBAR, INC.

A Thuron Company
12200 Denton Drive
Dallas, Texas 75234

STARR COMPANY, INC.

262 East Bank Street
Petersburg, Virginia 23803

STAUFFER CHEMICAL COMPANY

2009 Orient Road, P. O. Box 5388
Tampa, Florida 33605

299 Park Avenue
New York, New York 10017

STEARNS' ELECTRIC PASTE
COMPANY

220 South State Street
Chicago, Illinois 60604

STEPHENSON CHEMICAL
COMPANY, INC.

2444 West Point Road, Box 87188
College Park, Georgia 30337

STERLING COMPANY, INC., THE

2801-05 Locust Street
St. Louis, Missouri 63103

STERLING DRUG, INC.

90 Park Avenue
New York, New York 10016

SUDBURY LABORATORY, INC.

572 Dutton Road
Sudbury, Massachusetts 01776

SWANNEE DRUG COMPANY

P. O. Box 128
Newberry, Florida 32669

SWEENEY, W. R.
MANUFACTURER, INC.

340 South Main
Salisbury, Missouri 65281

SWIFT AGRICULTURAL
CHEMICALS COMPANY

P. O. Box 210
Wilmington, North Carolina 28401

SWIFT AGRICULTURAL
CHEMICALS CORPORATION
P. O. Box 7537
Chesapeake, Virginia 23324

SWIM GARD PRODUCTS COMPANY
5101 Clark Avenue
Lakewood, California 90712

SYNCHRO-MIST CONTROLS, INC.
270 Madison Avenue
New York, New York 10016

TNT CHEMICALS, INC.
7301 N. W. 77th Street
Miami, Florida 33166

TENNECO CHEMICALS, INC.
Nuodex Division
P. O. Box 2
Piscataway, New Jersey 08854

TENNESSEE CORPORATION
P. O. Box 2205
Atlanta, Georgia 30301

TESCO CHEMICALS, INC.
445 Bishop Street, N. W.
Atlanta, Georgia 30318

TEXACO, INC.
135 East 42nd Street
New York, New York 10017

TEXAS REFINERY CORPORATION
P. O. Box 711
Fort Worth, Texas 76101

TEXIZE CHEMICALS, INC.
P. O. Box 368
Greenville, South Carolina 29602

THOMPSON CHEMICALS
CORPORATION
3028 Locust Street
St. Louis, Missouri 63103

THOMPSON-HAYWARD CHEMICAL
COMPANY
5200 Speaker Road
Kansas City, Kansas 66110

301 EXTERMINATING SERVICE
211 Lillian Road
Wilson, North Carolina 27893

THURON INDUSTRIES, INC.
12200 Denton Drive
Dallas, Texas 75234

TIME-MIST, INC.
High Ridge Park
Stamford, Connecticut 06905

TRIANGLE CHEMICAL COMPANY
206 Lower Elm Street, P. O. Box 4528
Macon, Georgia 31208

TURCO PRODUCTS, INC.
24600 South Main Street
Wilmington, California 90744

USS AGRI-CHEMICALS, INC.
P. O. Box 20808
Greensboro, North Carolina 27420

P. O. Box 1380
Wilmington, North Carolina 28401

UNION CARBIDE CORPORATION
270 Park Avenue
New York, New York 10017

UNION CARBIDE CORPORATION
Consumer Products Division
Box 185
Tarrytown, New York 10591

UNIROYAL CHEMICAL
Division of Uniroyal, Inc.
Amity Road
Bethany, Connecticut 06525

UNITED CO-OPERATIVES, INC.
111 Glamorgan Street
Alliance, Ohio 44601

UNITED LABORATORIES, INC.
316 Meyer Road
Bensenville, Illinois 60106

UNITED STATES BORAX
AND CHEMICAL CORPORATION
3075 Wilshire Boulevard
Los Angeles, California 90005

UNITED STATES PLYWOOD
Division of United States Plywood-
Champion Papers, Inc.
2305 Superior Avenue
Kalamazoo, Michigan 49001

UNITED STATES PROFESSIONAL
LABORATORIES
Lehn and Fink Industrial Products
Division of Sterling Drug, Inc.
Montvale, New Jersey 07645

UPJOHN COMPANY, THE
7171 Portage Road
Kalamazoo, Michigan 49001

VANDERBILT, R. T. COMPANY, INC.
230 Park Avenue
New York, New York 10017

VAPOR PRODUCTS, INC.
5230 South Orange
Orlando, Florida 32806

VAPORETTE CHEMICAL
CORPORATION
A Thuron Company
12200 Denton Drive
Dallas, Texas 75234

VARLEY, JAMES AND SONS, INC.
1200 Switzer Avenue
St. Louis, Missouri 63147

VELSICOL CHEMICAL CORPORATION
1725 K. Street, N. W.
Washington, D. C. 20006

VESTAL LABORATORIES
Division of W. R. Grace and Company
4963 Manchester Avenue
St. Louis, Missouri 63110

VETERINARY LABORATORIES, INC.
218 West 19th Terrace
Kansas City, Missouri 64108

VET-KEM LABORATORIES
Division of Thuron Industries, Inc.
12200 Denton Drive
Dallas, Texas 75234

VIKON CHEMICAL COMPANY, INC.
Box 277
Elon College, North Carolina 27244

VINELAND CHEMICAL COMPANY
West Wheat Road, P. O. Box 745
Vineland, New Jersey 08360

VINELAND LABORATORIES, INC.
2285 East Landis Avenue
Vineland, New Jersey 08360

VIRGINIA CHEMICALS, INC.
3340 West Norfolk Road
Portsmouth, Virginia 23703

VIT-A-WAY, INC.
Box 4311
Fort Worth, Texas 76106

VULCAN MATERIALS COMPANY
Chemicals Division
6200 South Ridge Road, Box 545
Wichita, Kansas 67201

VyLACTOS LABORATORIES, INC.
1901 East Euclid
Des Moines, Iowa 50313

WSR INC.
Petersburg
Virginia 23803

WAKE COUNTY HEALTH
DEPARTMENT
P. O. Box 949
Raleigh, North Carolina 27602

WALGREEN LABORATORIES, INC.
4240 West Peterson Avenue
Chicago, Illinois 60646

WALLACE CHEMICAL COMPANY
Division of Purex Corporation Ltd.
5301 East Hanna Avenue
Tampa, Florida 33610

WALLACE AND TIERNAN, INC.
P. O. Box 178
East Orange, New Jersey 07019

WASHBURN-PUREX COMPANY
2244 Elston Avenue
Chicago, Illinois 60614

WATERLOX CHEMICAL AND
COATINGS CORPORATION
9808 Meech Avenue
Cleveland, Ohio 44105

WATKINS PRODUCTS, INC.
150 Liberty Street
Winona, Minnesota 55987

WEEVIL-CIDE COMPANY, THE
411 North 7th, P. O. Box 1057
Salina, Kansas 67401

WEST CHEMICAL PRODUCTS, INC.
42-16 West Street
Long Island City, New York 11101

WESTCHESTER VETERINARY
PRODUCTS
Division of Combe Chemical, Inc.
180 Mamaroneck Avenue
White Plains, New York 10601

WESTON PRODUCTS COMPANY
330 West Salisbury Street
Asheboro, North Carolina 27203

WHITE CROSS STORES, INC.
Monroeville
Pennsylvania 15146

WHITMIRE RESEARCH
LABORATORIES, INC.
339 South Vandeventer
St. Louis, Missouri 63110

WHITMOYER LABORATORIES, INC.
19 North Railroad Street
Myerstown, Pennsylvania 17067

WHOLESALE GROCERS
EXCHANGE, INC.
4 North Fourth Street
Richmond, Virginia 23219

WILMAR, INC.
224 Foster Avenue, P. O. Box 3111
Charlotte, North Carolina 28203

WILSON CHEMICAL DISTRIBUTING
COMPANY
Lodge and Spruce Streets
Wilson, North Carolina 27893

WILSON EXTERMINATING
COMPANY, INC.
401 West End Boulevard
Winston-Salem, North Carolina 27102

WILSON PEST CONTROL
COMPANY, INC.
401 West End Boulevard
P. O. Box 1398
Winston-Salem, North Carolina 27102

WINN CHEMICAL COMPANY
P. O. Box 612
Anniston, Alabama 36201

WINRU CHEMICAL AND
SALES COMPANY
923 State Line
Kansas City, Missouri 64101

WIX CORPORATION
P. O. Box 1967
Gastonia, North Carolina 28052

WOOD RIDGE CHEMICAL
CORPORATION
Park Place East
Wood Ridge, New Jersey 07075

WOOD TREATING CHEMICALS
COMPANY
5137 Southwest Avenue
St. Louis, Missouri 63110

WOODBURY CHEMICAL COMPANY
P. O. Box 788
St. Joseph, Missouri 64502

WOODLETS, INC.
90 Chenango Street
Buffalo, New York 14213

WOOLFOLK CHEMICAL WORKS, LTD.
East Main Street
Fort Valley, Georgia 31030

WYANDOTTE CHEMICALS
CORPORATION
1609 Biddle Avenue
Wyandotte, Michigan 48192

WYETH LABORATORIES
Division of American Home Products
Corporation
P. O. Box 831
Paoli, Pennsylvania 19301

YALE CHEMICAL COMPANY
Box 715
Nashville, Tennessee 37202

ZEP MANUFACTURING COMPANY
P. O. Box 2015
Atlanta, Georgia 30301

N. C. Aerial Crop Dusting Law and Regulations

The North Carolina Aerial Crop-Dusting Law, enacted by the General Assembly of 1953, has passed through its fourteenth year of enforcement. Its purposes are to protect public health and welfare, to bring improved order in the aerial dusting industry and to eliminate practices which were not in the best interest of the industry or those whom it serves. Marked progress has been made, but there is much yet to be accomplished. The North Carolina Aerial Applicators Association and other members of the industry sponsored the law and cooperate in its enforcement.

The law and the regulations promulgated thereunder, in summary, require the registration and licensing of those who engage in the custom application of pesticides by aircraft in this state. Qualifications for license require adequate knowledge of the proper use and application of pesticides, the dangers involved and precautions necessary in their application.

Annual renewal of all licenses is required. The validity of any license is further restricted to the period of time that coverage by liability bond or insurance for damage by aircraft is in force. The minimum liability coverage is \$5,000.00 for property damage, \$10,000.00 for personal injury, and \$20,000.00 for any one accident.

Licenses are of two types: Contractors—who contract for the airplane application of pesticides; and Applicators or aviators—those who do the application work. An individual, upon qualification, may procure both licenses. Applicator's licenses, among other things, are contingent on Federal Aviation Agricultural Operator's Certificate.

Licenses may be suspended or revoked if licensees are no longer qualified, for fraudulent, faulty, careless or negligent operations, or for other failure to comply with the requirements of the law. They are automatically nullified upon cancellation or expiration of liability coverage.

The law and regulations are given in the succeeding pages.

N. C. AERIAL CROP DUSTING LAW

CHAPTER 106, N. C. GENERAL STATUTES

Article 4B, Aircraft Application of Pesticides

§106-65.13. Definitions. For the purpose of this article.

(1) The term "aircraft" means any contrivance now known or hereafter invented, used or designed for navigation of, or flight in, the air.

(2) The term "Board of Agriculture" means the North Carolina Board of Agriculture.

(3) The term "Commissioner" means the Commissioner of Agriculture.

(4) The term "custom application of pesticides" means any application of pesticides by aircraft.

(5) The term "fungi" means all non-chlorophyll-bearing thallophytes (that is, all non-chlorophyll-bearing plants of a lower order than mosses and liverworts), as, for example, but not limited to, rusts, smuts, mildews, molds, yeasts, and bacteria, except those on or in living man or other animals.

(6) The term "fungicide" means any substance or mixture of substances intended for preventing, destroying, repelling, or mitigating fungi or plant disease.

(7) The term "herbicide" means any substance or mixture of substances intended for preventing, destroying, repelling, or mitigating any weed.

(8) The term "insect" means any of the numerous small invertebrate animals generally having the body more or less obviously segmented, for the most part belonging to the class Insecta, comprising six-legged, usually winged forms, as, for example but not limited to, beetles, bugs, bees, and flies, and to other allied classes of arthropods whose members are wingless and usually have more than six legs, as, for example, but not limited to, spiders, mites, ticks, centipedes, and wood lice.

(9) The term "insecticide" means any substance or mixture of substances intended for preventing, destroying, repelling, or mitigating any insects which may be present in any environment whatsoever.

(10) The term "person" means any individual, firm, partnership, association, corporation, company, joint stock association, or body politic, or any organized group of persons whether incorporated or not; and includes any trustee, receiver, assignee, or other representative thereof.

(11) The term "pesticide" or "economic poison" means any substance or mixture of substances intended for preventing, destroying, repelling, or mitigating any insects, rodents, fungi, bacteria, weeds, or other forms of plant or animal life or viruses, except viruses on or in living man or other animals, which the Commissioner shall declare to be a pest.

(12) The term "weed" means any plant or plant part which grows where not wanted. (1953, c. 1333.)

§106-65.14. Licenses.

(a) It shall be unlawful for any person to engage in custom application of pesticides within the State at any time without a license issued by the Commissioner. Application for a license shall be made to the Commissioner and each application shall contain information regarding the applicant's qualifications and proposed operations and such other relevant matters as may be required pursuant to regulations promulgated by the Board of Agriculture.

(b) The Commissioner may require the applicant to show, upon examination, that he possesses adequate knowledge concerning the proper use and application of pesticides, and the dangers involved and precautions to be taken in connection with their application. If the applicant is other than an individual, the applicant shall designate an officer, member, or technician of the organization to take the examination, such designee to

be subjected to the approval of the Commissioner. If the extent of the applicant's operations warrant it, the Commissioner may require more than one officer, member or technician to take the examination.

(c) If the Commissioner finds the applicant qualified, the Commissioner shall issue a license, which shall authorize the licensee to perform custom application of pesticides within the State. The license may restrict the applicant to the use of a certain type or types of materials if the Commissioner finds that the applicant is qualified to use only such type or types. If a license is not issued as applied for, the Commissioner shall inform the applicant in writing of the reasons therefor. All licenses issued under this article shall expire on December 31 of each year and may be renewed upon the filing of a new application therefor.

(d) The Commissioner may suspend, pending inquiry, for not longer than ten days after opportunity for a hearing, may revoke, or modify the provisions of any license issued under this section, if he finds as a fact that the licensee is no longer qualified or has engaged in fraudulent business practices in the custom application of pesticides, or has made any custom application in a faulty, careless, or negligent manner, or has violated any of the provisions of this article or regulations made thereunder.

(e) The Commissioner may require, under such rules and regulations as may be promulgated under this article, from each applicant a liability bond against damage to person or property by aircraft and a reasonable performance bond with sufficient surety satisfactory to the Commissioner, which performance bond is to secure the performance of contractual obligations of the licensee with respect to custom application of pesticides. Any person injured by the breach of any such obligation or any person damaged by such aircraft shall be entitled to sue on the bond in his own name in any court of competent jurisdiction to recover the damages he may have sustained.

(f) Any person aggrieved by any action of the Commissioner may within ten days after notice thereof request a review of said action by the Board of Agriculture. If no request for review is so made, the decision of the Commissioner shall be final. If a review is so requested, the Board of Agriculture shall promptly review the action of the Commissioner and either affirm or over-rule his action. If the Board of Agriculture affirms the Commissioner, it shall find the facts of the case and the aggrieved person may within thirty days after notice thereof appeal to the Superior Court of the county in which such person resides or to the Superior Court of Wake County and the matter may be heard in or out of chambers. Notice of the appeal shall be served on the Commissioner and within ten days thereafter the Commissioner shall certify and file in the court to which the appeal is taken a transcript of any record pertaining thereto, including a transcript of evidence received. The court shall have jurisdiction to affirm, set aside or modify the action of the Board of Agriculture, **provided**, that the findings of fact as made by said Board, if supported by evidence, shall be conclusive.

Any license which has been suspended or revoked by the Commissioner or Board of Agriculture shall remain suspended or revoked until the laws, and regulations of the Board of Agriculture, have been complied with or

until the decision or action of said Commissioner or Board have been set aside by court action. (1953, c. 1333.)

§106-65.15. Regulations, materials and methods of application.—The Board of Agriculture, after public hearing, may adopt regulations prohibiting the use of materials or methods in custom application of pesticides to the extent necessary to protect health or property and may make such other regulations as it may deem necessary to carry out the provisions of this article. **Provided, however,** such regulations shall not be inconsistent with the regulations issued by this State or by the Federal Government respecting safety in air navigation or operation of aircraft and before issuing any regulations directly related to any matter within the jurisdiction of any other official of this state, the Commissioner shall consult with that official with reference thereto. (1953, c. 1333.)

§106-65.16. Reports.—The Board of Agriculture may by regulation require any licensee to maintain records and furnish reports giving information with respect to particular applications of pesticides and such other relevant information as the Board of Agriculture may deem necessary. (1953, c. 1333.)

§106-65.17. Information.—The Commissioner may, in cooperation with the North Carolina Agricultural Experimental Station, publish information regarding injury which may result from improper application or handling of pesticides and the methods and precautions designed to prevent such injury. (1953, c. 1333.)

§106-65.18. Penalties.—Any person violating the provisions of this article or the regulations issued hereunder shall be guilty of a misdemeanor and upon conviction shall be fined or imprisoned or both in the discretion of the court. (1953, c. 1333.)

§106-65.19. Enforcement.—For the purpose of carrying out the provisions of this article the Commissioner may enter upon any public or private premises at reasonable times in order to have access for the purpose of inspecting any aircraft or materials subject to this article. (1953, c. 1333.)

§106-65.20. Delegation of Duties.—The function vested in the Commissioner by this article may be delegated by him to such employees of the Department of Agriculture or other qualified persons as the Commissioner may from time to time designate for such purposes. (1953, c. 1333.)

§106-65.21. Cooperation.—The Commissioner may cooperate with any other agency of this State or its sub-divisions or with any agency of any other State or of the Federal Government for the purpose of carrying out the provisions of this article and of securing uniformity of regulations. (1953, c. 1333.)

RULES, REGULATIONS, DEFINITIONS AND STANDARDS

CHAPTER XII

Application of Pesticides By Aircraft

ARTICLE 1. APPLICATION OF PESTICIDES BY AIRCRAFT

§12-1. Application for license.—Application for a license to engage in the custom application of pesticides by aircraft shall be made to the Commissioner of Agriculture upon forms prescribed for that purpose and furnished by the Department of Agriculture.

§12-2. Classes of licenses.—There shall be two classes of licenses which shall authorize the holders thereof to engage in the custom application of pesticides to the extent authorized by the license and the rules and regulations of the State Board of Agriculture. The classes of licenses shall be as follows:

(a) **Contractor's License.** A contractor's license shall authorize the holder thereof to contract for the aerial application of pesticides.

(b) **Airplane Applicator's License.** An airplane applicator's license shall entitle the holder thereof to apply pesticides as contracted for by the holder of an operator's license.

§12-3. Examination for license.—Before any license is issued, the Commissioner may require the applicant to undergo such examination and to submit such other information as the Commissioner in his discretion may deem necessary for a proper determination of the applicant's qualifications.

§12-4. Modification, revocation or suspension of license.—All licenses are subject to modification as to terms and privileges and may be revoked or suspended by the Commissioner of Agriculture according to the provisions of G.S. 106-65.14. Licenses may be issued for periods of less than one year but all licenses shall expire on December 31 of each year and may be renewed upon the filing of a new application therefor.

§12-5. Display of license.—All holders of contractor's or airplane applicator's licenses shall keep their licenses conspicuously posted at their place of business or about their person when engaged in the application of pesticides by aircraft and shall show their license upon request. Upon satisfactory proof of the loss or destruction of a license, a duplicate thereof may be issued to the qualified holder.

§12-6. Liability bond.—No airplane applicator's license shall be issued unless the applicant submits to the Commissioner of Agriculture along with the application for license a liability insurance policy covering said applicant and the person or persons for whom the custom application of pesticides is to be made against liability for damage to all persons or property caused by said aircraft. Said liability insurance policy shall cover at least \$5,000.00 for property damage, \$10,000.00 for personal injury,

and \$20,000.00 for any one accident; and shall be required to be in force for the duration of the applicant's license: Provided, however, it is not the intent of this regulation for any liability insurance policy to cover damages resulting from the application of pesticides, but only for damages caused by aircraft.

§12-7. Report and Records.—Each contractor shall maintain daily reports and records on forms satisfactory to the Commissioner and all such reports and records shall be kept open and available for inspection by any authorized representative of the Department of Agriculture. Each contractor shall also submit to the Commissioner of Agriculture on or before December 31 of each year an annual report on forms furnished by the Commissioner, covering in detail the contractor's activities for the period covered by the report.

§12-8. Responsibility of contractors and applicators.—All contractors and applicators shall be responsible for the proper use and maintenance of equipment and for the proper use and application of pesticides; and shall at all times use due care for the protection of surrounding property, crops, fish ponds, plants and livestock. Any contractor or applicator who violates or disregards the provisions of this regulation or who makes any custom application in faulty, careless, or negligent manner shall have his license suspended or revoked according to the provisions of G.S. 106-65.14.

(Adopted: June 22, 1953)

(Authority: G.S. 106-65.15)

Licensees Under N. C. Aerial Crop-Dusting Law for 1969

This list gives the names of firms or individuals who registered with the North Carolina Department of Agriculture and were issued licenses as Contractors, Applicators, or both, for the year 1969. Each type of license is indicated in connection with the respective name of individual or firm as given in the list.

All licenses expire December 31, 1969, or earlier according to expiration of insurance coverage and are subject to renewal for operations in 1970.

AERIAL SERVICES CORPORATION

Aerial Services Heliport
P. O. Box 4217
Roanoke, Virginia 24015
Contractor

AGRICULTURAL FLYING SERVICE, INC.

Box 706
Laurinburg, N. C. 28352
Contractor

ASPLUNDH AVIATION, INC.

4336 S. Tryon Street
Charlotte, N. C. 28213
505 York Road
Jenkintown, Pennsylvania 19046
Contractor

ROBERT AVERY

Avery Crop Spraying Service
Route 3
Dunn, N. C. 28334
Route 4, Box 409-D
Washington, N. C. 27889
Applicator and Contractor

WILFRED A. BAARS

P. O. Box 7278
Shreveport, Louisiana 71107
1471 Oconee Pass N. E.
Atlanta, Georgia
Applicator

W. H. BAGGETT

Baggett Dusting Service
P. O. Box 861
Scotland Neck, N. C. 27874
603 S. 22nd Street
Fort Pierce, Florida 33450
Contractor

DWAYNE S. BAILEY

P. O. Box 7278
Shreveport, Louisiana 71107
Applicator

LLOYD H. BARNWELL

Route 1, Box 256
Suffolk, Virginia 23434
826 N. Daughtry Avenue
Douglas, Georgia 31533
Applicator and Contractor

CARLTON RONNIE BEALE

Route 3
Nathalie, Virginia 24577
Applicator

JOHN ALBERT BECKER

Route 3
Clinton, N. C.
404 E. Bridge Street
Plainwell, Michigan 49080
Applicator

K. M. BIGGS INC.

P. O. Box 671
Lumberton, N. C. 28358
Contractor

WAYNE E. BILLIG

c/o Mineral Springs Helicopter
Service Inc.
Mineral Springs, N. C. 28108
Gamecock Helicopters, Inc.
Sumter, South Carolina 29150
Applicator

STEVE C. BOVIE

738 Bluebell Road
Warminster, Pennsylvania 18974
Applicator

WADE R. BRABBLE

107 Hampton Drive
Plymouth, North Carolina 27962
Applicator

JOHN L. BRANCH

P. O. Box 7278
Shreveport, Louisiana 71107
Applicator

JAMES N. BRINK

509 Huske Street
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Airplane Service
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Applicator and Contractor

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Selma, N. C. 27576
Aurora Airport
Aurora, N. C.
Applicator and Contractor

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Applicator and Contractor

Common and Chemical Names of Economic Poisons

ALANAP:

N-1-Naphthylphthalamic acid

ALDRIN:

Hexachlorohexahydro-endo, exo-dimethanonaphthalene 95% and related compounds 5%

ALLETHRIN:

Allyl homolog of cinerin I

AMIBEN:

3-Amino-2,5-dichlorobenzoic acid

AMITROLE:

3-Amino-1,2,4-triazole

ANTU:

Alpha-Naphthylthiourea

ARAMITE:

2-(p-tert-Butylphenoxy)-1-methylethyl 2-chloroethyl sulfite

ARSENIC TRIOXIDE:

Arsenious oxide

ATRAZINE:

2-Chloro-4-ethylamine-6-isopropylamino-s-triazine

AZODRIN:

Dimethyl phosphate of 3-hydroxy-N-methyl-cis-crotonamide

BALAN; BENEFIN:

N-Butyl-N-ethyl-a,a,a-trifluoro-2,6-dinitro-p-toluidine

BAYGON:

O-Isopropoxyphenyl methylcarbamate

BAYTEX; BAYER 29493:

O,O-Dimethyl O- [4-(methylthio)-m-tolyl] phosphorothioate

BHC:

Benzene hexachloride

BIDRIN:

Dimethyl phosphate of 3-hydroxy-N,N-dimethyl-cis-crotonamide

BIOPAL CVL 10:

Nonylphenoxy polyethyleneoxy ethanol—iodine complex

BOMYL:

Dimethyl 3-hydroxyglutaconate dimethyl phosphate

BORAX:

Sodium tetraborate

BORIC ACID:

Boracic acid

BUTYRAC:

2,4-Dichlorophenoxy butyric acid, sodium salt

CACODYLIC ACID:

Dimethylarsinic acid

CALCIUM ACID METHYL ARSONATE:

Methanearsonic acid, calcium hydrogen salt

CALCIUM ARSENATE:

Tricalcium arsenate

CALCIUM CYANAMIDE:

Calcium carbimide

CALCIUM CYANIDE:

Calcium cyanide

CALCIUM POLYSULFIDE:

Sulfurated lime

CAPTAN:

N-trichloromethylthio-4-cyclohexene-1,2-dicarboximide

CHLORANIL:

Tetrachloro-p-benzoquinone

CHLORDANE (TECHNICAL):

60% Octachloro-4,7-methanotetrahydroindane and 40% related compounds

CHLOROBENZILATE:

Ethyl 4, 4'-dichlorobenzilate

CHLOROPROPYLATE:

Isopropyl 4,4-dichlorobenzilate

CHLOROTHION:

O,O-Diethyl O-(3-chloro-4-nitrophenyl) phosphorothioate

CIODRIN:

Dimethyl phosphate of alpha-methylbenzyl 3-hydroxy-cis-crotonate

CIPC:

Isopropyl N-(3-chlorophenyl) carbamate

COPPER ARSENATE (BASIC):

Cupric arsenate (basic)

COPPER NAPHTHENATE:

Cupric Cyclopentane carboxylate

COPPER SULFATE:

Cupric sulfate

CO-RAL; COUMAPHOS:

O,O-diethyl 0-3-chloro-4-methyl-2-oxo-2H-1-benzopyran-7-yl phosphorothioate

COTORAN:

1,1-Dimethyl-3-(a,a,a-trifluoro-m-tolyl) urea

2,4-D:

2,4-Dichlorophenoxyacetic acid

DACTHAL:

Dimethyl tetrachloroterephthalate

DALAPON:

2,2-Dichloropropionic acid

DDD; TDE; RHOTHANE

Dichloro diphenyl dichloroethane

D-D SOIL FUMIGANT:A mixture of 1,3-dichloropropene, 1,2-dichloropropane and related C₃ compounds**DDT:**

Dichloro diphenyl trichloroethane

DDVP:

2,2-Dichlorovinyl dimethyl phosphate

DELNAV; DIOXATHION:

2,3-p-Dioxanedithiol S,S-bis (O,O-diethyl phosphorodithioate)

DELPHENE; DEET:

N,N-diethyl-m-toluamide

DEMETON:

A mixture of 0,0-diethyl 0-2(ethylthio) ethyl phosphorothioate and 0,0-diethyl S-2-(ethylthio) ethyl phosphorothioate

DIAZINON:

0,0-diethyl 0(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate

DIBROM; NALED:

1,2-Dibromo-2,2-dichloroethyl dimethyl phosphate

DICAMBA:

3,6-dichloro-o-anisic acid

DICAPTHON:

0-2-chloro-4-nitrophenyl 0,0-dimethyl phosphorothioate

DICHLOBENIL:

2,6-Dichlorobenzonitrile

DICHLONE:

2,3-Dichloro-1,4-naphthoquinone

DICHLOROPHENE:

2,2'-Methylenebis (4-Chlorophenol)

DIELDRIN:Hexachloroepoxyoctahydro-endo, exo-dimethanonaphthalene
85% and related compounds 15%**DIMETHOATE:**

0,0-Dimethyl S-(N-methylcarbamoylmethyl) phosphorodithioate

DIMETILAN; DIMETILANE:

2-Dimethylcarbamyl-3-methyl-5-pyrazolyl dimethylcarbamate

DIMITE:

4,4'-Dichloro-alpha-methylbenzhydrol

DINITROBUTYLPHENOL:

4,6-Dinitro-o-sec-butylphenol

DINITROCRESOL; DNOC:

4,6-Dinitro-o-cresol

DIPHACINONE:

2-Diphenylacetyl-1,3-indandione

DIPHENAMID:

N,N-Dimethyl-2,2-diphenylacetamide

DIPTEREX; TRICHLOROFON:

Dimethyl (2,2,2-trichloro-1-hydroxyethyl) phosphonate

DIQUAT:

6,7-Dihydrodipyrido [1,2-a:2',1'-c] pyrazidiinium dibromide

DISODIUM METHYL ARSONATE:

Disodium salt of methanearsonic acid

DISYSTON; DISULFOTON:

0,0-Diethyl S- [2-(ethylthio) ethyl] phosphorodithioate

DIURON:

3-(3,4-Dichlorophenyl)-1, 1-dimethylurea

ENDRIN:

Hexachloroepoxyoctahydro-endo,endo-dimethanonaphthalene

EPN:

0-Ethyl 0-p-nitrophenyl phenylphosphonothioate

EPTAM:

S-Ethyl dipropylthiocarbamate

ERBON:

2-(2,4,5-Trichlorophenoxy) ethyl 2,2-dichloropropionate

ETHION:

0,0,0',0'-Tetraethyl S-S'-methylene bisphosphorodithioate

ETHYLENE DIBROMIDE:

1,2-Dibromoethane

ETHYLENE DICHLORIDE:

1,2-Dichloroethane

ETHYL GUTHION:

0,0-Diethyl S- [4-oxo-1,2,3-benzotriazin-3(4H)-ylmethyl]
phosphorodithioate

ETHYL HEXANEDIOL:

2-Ethyl-1,3-hexanediol

FENURON:

3-Phenyl-1,1-dimethylurea

FERBAM:

Ferric dimethyldithiocarbamate

FOLEX:

Tributyl phosphorotrithioate

FUMARIN; COUMAFURYL:

3-(alpha-Acetonylfurfuryl)-4-hydroxycoumarin

GLYODIN:

2-Heptadecylimidazoline acetate

GUTHION:

0,0-Dimethyl S- [4-oxo-1,2,3-benzotriazin-3(4H)-ylmethyl]
phosphorodithioate

HEPTACHLOR:

Heptachlorotetrahydro-4,7-methanoindene

HEXACHLOROPHENE:

2,2'-Methylene bis (3,4,6-trichlorophenol)

HYDROGEN CHLORIDE:

Hydrochloric acid

ISOPROPYL ALCOHOL:

Dimethylcarbinol

KARATHANE; DINOCAP:

2-(1-Methylheptyl)-4,6-dinitrophenyl crotonate

KELTHANE; DICOFOL:

1,1-Bis (p-chlorophenyl)-2,2,2-trichloroethanol

KEPONE:

Decachlorooctahydro-1,3,4-metheno-2H-cyclobuta (cd)
pentalen-2-one

KORLAN; RONNEL:

0,0-Dimethyl 0-(2,4,5-trichlorophenyl) phosphorothioate

LEAD ARSENATE:

Diplumbic hydrogen arsenate

LETHANE A70:

Beta, betá-Dithiocyano diethyl ether

LETHANE 60:

Beta-thiocyanoethyl esters of mixed fatty acids containing 10 to 18 carbon atoms

LETHANE 384:

Beta-butoxy beta'-thiocyano diethyl ether

LINDANE:

Gamma isomer of benzenehexachloride

LINURON:

3-(3,4-Dichlorophenyl)-1-methoxy-1-methylurea

MALATHION:

0,0-Dimethyl dithiophosphate of diethyl mercaptosuccinate

MANEB:

Manganese ethylenebisdithiocarbamate

MECOPROP

2-(2-Methyl-4-chlorophenoxy) propionic acid

METALDEHYDE:

Metacetaldehyde

METHOXYCHLOR (TECHNICAL):

2,2-Bis (p-methoxyphenyl)-1,1,1-trichloroethane 88% and related compounds 12%

METHYLMERCURY 2,3-DEHYDROXYPROPYLMERCAPTIDE:

Methylmercury 2,3-dehydroxypropylmercaptide

METHYL PARATHION:

0,0-Dimethyl 0-p-nitrophenyl phosphorothioate

METHYL TRITHION:

S-[[(p-Chlorophenyl)thio] methyl] o,o-dimethyl phosphorodithioate

MH-30; MALEIC HYDRAZIDE:

1,2-Dihydro-3,6-pyridazinedione

MOCAP:

0-Ethyl-S,S-dipropyl phosphorodithioate

MONOSODIUM ACID METHANEARSONATE:

Methaneearsonic acid, monosodium salt

MONURON:

3-(p-Chlorophenyl)-1,1-dimethylurea

MYLONE:

Tetrahydro-3,5-dimethyl-2H-1,3,5-thiadiazine-2-thione

NEBURON:

1-Butyl-3-(3,4-dichlorophenyl)-1-methylurea

NEMAGON:

1,2-Dibromo-3-chloropropane

NICOTINE:

L-3-(1-Methyl-2-pyrrolidyl) pyridine

N-OCTYL BICYCLOHEPTENE DICARBOXIMIDE:

N-2-Ethylhexylimide of endomethylenetetra-hydrophthalic acid

NOREA:

3-(Hexahydro-4,7-methanoindan-5-yl)-1,1-dimethylurea

ORGANIC AMMONIUM CHLORIDES:

A mixture of alkyl benzylammonium chlorides

OVEX; OVOTRAN:

p-Chlorophenyl p-chlorobenzenesulfonate

PARADICHLOROBENZENE:

1,4-Dichlorobenzene

PARAFORMALDEHYDE:

Trioxymethylene

PARATHION:

0,0-Diethyl O-p-nitrophenyl thiophosphate

PARIS GREEN:

Copper acetoarsenite

PENAR:

Dimethyldodecylamine acetate

PENPHENE:

Tetrachlorothiophene

PERTHANE

Diethyl diphenyl dichloroethane and related compounds

PHALTAN; FOLPET:

N-(Trichloromethylthio) phthalimide

PHENOL:

Carbolic acid

PHOSDRIN:

Alpha isomer of 2-carbomethoxy-1-methylvinyl dimethyl phosphate

PHOSPHAMIDON:

2-Chloro-2-diethylcarbamoyl-1-methylvinyl dimethyl phosphate

PHOSPHORIC ACID:

Ortho-phosphoric acid

PIPERONYL BUTOXIDE (TECHNICAL):

Butylcarbityl-6-(propyl piperonyl) ether 80% and related compounds 20%

PIPERONYL CYCLONENE:

A mixture of 3-alkyl-6-carbomethoxy-5-(3,4-methylene dioxyphehyl)-2-cyclohexene-1-one and 3-alkyl-5-(3,4-methylene dioxyphehyl)-2-cyclohexene-1-one

PIVAL:

2-Pivalyl-1,3-indandione

PIVALYN:

Sodium salt of 2-pivalyl-1,3-indandione

POLYRAM:

A mixture of zineb and zinc dithiobis(thiocarbonyl) iminoethylene bisdithiocarbamate

POTASSIUM CYANATE:

Potassium cyanate

PRAMEX:

N,N-di-n-butyl-p-chlorobenzene sulfonamide

PROMETONE:

2-Methoxy-4,6-bis(isopropylamino)-S-triazine

PYRETHRUM:

Chrysanthemum cinerariaefolium

ROTENONE:

Derrin; tubatoxin

SABADILLA:

Schoenocaulon officinale alkaloid

SESONE:

Sodium 2-(2,4-dichlorophenoxy) ethyl sulfate

SEVIN; Carbaryl:

1-Naphthyl N-methylcarbamate

SHOXIN; NORBROMIDE:

A mixture of stereoisomers of 5-(alpha-hydroxy-alpha-2-pyridylbenzyl)-7-(alpha-2-pyridylbenzylidene)-5-norbornene-2,3-dicarboximide

SILVEX:

2-(2,4,5-Trichlorophenoxy) propionic acid

SIMAZINE:

2-Chloro-4,6-bis(ethylamino)-s-triazine

SODIUM ARSENATE:

Disodium arsenate

SODIUM ARSENITE:

Sodium meta-arsenite

SODIUM CHLORATE:

Sodium chlorate

SODIUM FLUORIDE:

Sodium fluoride

SODIUM FLUOSILICATE:

Sodium silicofluoride

SODIUM HYDROXIDE

Sodium hydrate

SODIUM SALT OF DINITROBUTYLPHENOL

2,4-Dinitro-6-sec-butylphenol, sodium salt of

SODIUM SULFATE:

Sodium sulfate

STROBANE:

A mixture of heptachlorocamphene, heptachloropinene and other chlorinated terpenes

STRYCHNINE:

Strychnos nux-vomica alkaloid

SULFOTEPP:

0,0,0,0-Tetraethyl dithiopyrophosphate

SULFUR:

Sulfur

2,4,5-T

2,4,5-Trichlorophenoxyacetic acid

TEDION; TETRADIFON:

4-Chlorophenyl 2,4,5-trichlorophenyl sulphone

TENORAN; CHLOROXURON:

3- [p-(p-Chlorophenoxy) phenyl] -1,1-dimethylurea

TEPP:

Tetraethyl pyrophosphate

TERRACLOR:

Pentachloronitrobenzene

THALLIUM SULFATE:

Thalious sulfate

THANITE:

Isobornyl thiocynoacetate and related compounds

2,2' THIOBIS (4,6-DICHLOROPHENOL):

Bis(2-hydroxy-3,5-chlorophenyl) sulfide

THIODAN; ENDOSULFAN:

Hexachlorohexahydromethano-2,4,3-benzodioxathiepin oxide

THIRAM:

Tetramethylthiuram disulfide

TILLAM; PEBULATE:

S-Propyl butylethylthiocarbamate

TOXAPHENE:

Chlorinated camphene

TRIFLURALIN:

a,a,a-Trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine

TRITHION; CARBOPHENOTHION:

S- [(p-Chlorophenylthio) methyl] 0,0-diethyl phosphorodithioate

VAPAM; METHAM SODIUM:

Sodium methylthiocarbamate

VAPONA; DICHLOROVOS:

Not less than 93% dimethyl dichlorovinyl phosphate and not more than 7% related compounds

VERNAM; VERNOLATE

S-Propyl dipropylthiocarbamate

WARFARIN:

3-(a-Acetonylbenzyl)-4-hydroxycoumarin

ZAC:

Ziram cyclohexylamine complex

ZECTRAN:

4-(Dimethylamino)-3,5-xylyl methylcarbamate

ZINC NAPHTHENATE:

Zinc cyclopentane carboxylate

ZINC PHOSPHIDE:

Zinc phosphide

ZINEB:

Zinc ethylenebisdithiocarbamate

ZIRAM:

Zinc dimethylthiocarbamate

**Official Analyses
of
Economic Poisons
1969**

Summary of Economic Poisons Examined—1969

TYPES	SAMPLES				
	Passed	Deficient	Excessive Active Ingredient	Mis-branded	Not Registered
Arsenicals					
Arsenic trioxide	1	—	—	—	—
Cacodylic acid	1	—	—	—	1
Calcium arsenate	5	—	—	—	1
Disodium acid methanearsonate	1	—	—	—	—
Lead arsenate preparations	—	—	—	—	2
Monosodium acid methanearsonate	5	—	—	—	—
Sodium arsenate	7	—	—	—	—
Sodium arsenite	5	—	—	—	—
Botanicals					
Pyrethrins preparations	15	2	1	—	5
Rotenone preparations	22	—	—	—	2
Sabadilla	2	—	—	—	3
Strychnine	11	—	—	—	2
Organic Chlorine Compounds					
Aldrin preparations	15	1	5	—	7
Amiben ammonium salt	3	—	—	—	—
Atrazine	1	—	—	—	—
BHC preparations	30	2	—	—	5
Captan preparations	8	—	—	—	—
Carbaryl preparations	106	17	—	1	21
Carbophenothion	—	—	—	—	1
Chlordane preparations	23	2	—	—	9
4-Chloro-2-cyclopentylphenol	1	—	—	—	—
2-Chloro-1-(2,4,5-trichlorophenyl) vinyl dimethyl phosphate	1	—	—	—	—
2,4-D—2,4,5-T preparations	11	1	—	—	4
Dacthal	5	—	1	—	2
D-D fumigant	—	—	—	—	1
DDD preparations	88	5	3	—	11
DDT preparations	174	22	5	1	23
DDVP preparations	18	—	—	—	4
Dicamba	1	—	—	—	—
Dichlobenil	1	—	—	—	—
4-(2,4-Dichlorophenoxy) butyric acid	2	—	—	—	—
Dieldrin preparations	2	—	1	—	—
Dyrene	1	—	—	—	—
Endosulfan	2	—	—	—	—
Folpet	2	—	—	—	—
Heptachlor	—	—	1	—	1
Kepone	4	—	—	—	1
Methoxychlor preparations	9	2	—	—	1
Naled	1	—	—	—	—
Nemagon	—	2	—	—	1
Organic ammonium chloride preparations	5	—	—	—	3
Paradichlorobenzene	3	1	—	—	7
Paraquat dichloride	1	—	—	—	—
Ruelene	1	—	—	—	—
Terrachlor	3	1	—	1	1
Toxaphene preparations	71	13	1	—	24
Metallic Compounds					
Copper preparations	19	4	—	—	6
Ferbam	10	1	—	—	1
Maneb	2	—	—	—	—
Polyram	3	—	—	—	—
Sodium preparations	7	—	—	—	2
Zineb preparations	8	4	—	—	1

Summary of Economic Poisons Examined—1969—Continued

TYPES	SAMPLES				
	Passed	Deficient	Excessive Active Ingredient	Misbranded	Not Registered
Phosphorus Compounds					
Ciodrin	2	—	—	—	1
Demeton	2	—	—	—	—
Diazinon	2	—	—	—	—
O,O-Diethyl O-[p-(methylsulfinyl)phenyl] phosphothioate	1	—	—	—	—
Dimethoate	2	—	—	—	—
Dipterex	2	—	—	—	1
Di-Syston	1	—	—	—	—
Ethion	1	—	—	—	—
Malathion preparations	36	15	—	—	9
Parathion preparations	19	4	1	—	9
Phosdrin	—	2	—	—	1
Phosphorus	3	1	—	—	2
Miscellaneous					
Allyl isothiocyanate	1	—	—	—	—
Benefin	3	—	—	—	—
Boric acid	2	—	—	—	—
Butoxypolypropyleneglycol	—	—	—	—	1
Cotoran	1	—	—	—	—
Coumafuryl	9	—	—	—	3
N,N-Diethyl-meta-toluamide preparations	3	—	—	—	1
Dithane M-45	—	—	—	—	1
Dodine	1	—	—	—	—
Ethylene dibromide	1	—	—	—	—
Ethyl hexanediol	1	—	—	—	—
Fatty alcohols	2	—	—	—	—
Fluorine compounds	7	1	—	—	—
Hydrogen chloride	—	—	—	—	2
Iodine preparations	1	—	—	—	2
Maleic hydrazide	3	—	—	—	—
Metaldehyde	2	—	—	—	—
Methomyl	1	—	—	—	—
Methyl nonyl ketone	1	—	—	—	—
Mineral oil	3	—	—	—	—
Naphthalene	1	—	—	—	3
Paraformaldehyde	1	—	—	—	—
Pebulate	—	—	—	1	—
Penar	1	—	—	—	—
Petroleum derivative solvents	6	—	—	—	—
Phenol preparations	14	—	—	—	3
Pine oil	2	—	—	—	1
Pival	7	1	—	—	1
Pivalyn	7	—	—	—	—
Planavin	2	—	—	—	—
Prometone	1	—	—	—	—
Sulfur	2	—	—	—	1
Vernam	1	—	—	—	1
Warfarin	32	—	1	—	7
TOTALS	907	104	20	4	203

Number of manufacturers registered (total)	602
Number of manufacturers registered from North Carolina	71
Number of items registered	4,782
Number of stop sale orders issued	407
Number of items stopped from sale because of failure to register	342
Number of analytical determinations	2,362

Decisions

The results of analyses of economic poisons are tabulated in the following pages. For the reader's ready interpretation of the analyses, designations used are explained in the following paragraphs.

"Passed" signifies that the labeling and composition of the product satisfactorily complied with guarantees and requirements. Small deviations in analyses are normal.

"Deficient" usually signifies that one or more ingredients fell significantly below guarantee, although it may also indicate an excess of a harmful ingredient, as in case of water-soluble arsenic. Such products, in most instances, qualify as unsatisfactory and are subject to "Stop Sale Order" and removal from the market for reprocessing or relabeling. In borderline cases, where exact values are indeterminate, the product is qualified as deficient but the manufacturer cautioned. In some instances where such goods have been used before analysis could be completed, the manufacturer has made settlement satisfactory to the user.

"Adulterated" indicates that significant quantities of undeclared active ingredients were present. Since proof of adulteration disqualifies a product, analysis may be discontinued at that point thus saving further expenditure of time and work. Such lots, batches or brands are stopped from sale and other appropriate action taken.

"Misbranded" signifies that labeling failed to conform to requirements. Omission of some item or statement is a more common flaw. Among these may be proper ingredient listing, skull and crossbones, "Poison" in red and an antidote where these are required; net contents by weight or volume; class of, and unsulfonated residues of petroleum oils; and percentages of alkaloids instead of crude product such as a sabadilla seed.

In some instances of misbranding the defect appeared to be inadvertent or of a minor nature. It appeared permissible and fair to allow the manufacturer time for correction. In others, removal from sale was necessary.

"Not Registered" signifies that the product was not registered at the time it was sampled. Prompt registration is required or the product is removed from sales.

As has been the practice in past work, analyses were made largely for those ingredients which were considered of major importance, as, for example, gamma isomer of benzene hexachloride, whereas other isomers were not checked. For sake of brevity, items not generally checked are not listed in the tabulations. This should not be taken to indicate that manufacturers did not include them on labels. This procedure has been followed because it enables a broader coverage of all products offered for sale.

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
ALDRIN			
Blue Chemical Company, Inc.			
Thor Brand 5% Aldrin Granular			
Aldrin	5.00	5.93	Excessive Active Ingredient
do	5.00	6.81	Not Registered Excessive Active Ingredient
			Not Registered
Carolina Chemical Corp.			
Aldrin Emulsion			
Aldrin	50.40	44.02	Deficient Not Registered
Coahoma Chemical Company, Inc.			
Red Panther Seedgard Crow Repellent Insecticide			
Aldrin	22.20	21.36	Passed
Coastal Chemical Corp.			
5% Aldrin Granular			
Aldrin	5.00	5.14	Passed
Daly-Herring Co.			
De Aitch 4 Lb. Aldrin Emulsifiable Concentrate			
Aldrin	43.50	43.50	Not Registered
W. R. Grace and Co.			
Naco-5% Aldrin Granules			
Aldrin	5.00	5.61	Passed
do	5.00	5.48	Passed
do	5.00	5.95	Excessive Active Ingredient
Naco-Aldrin 4 EC			
Aldrin	45.31	43.94	Passed
Kaiser Agricultural Chemicals			
Kaiser 5% Aldrin Granular			
Aldrin	5.00	6.78	Excessive Active Ingredient
Kerr-McGee Chemical Corp.			
Lighting Brand 5% Aldrin Granules			
Aldrin (Including related compounds)	5.60	5.36	Not Registered
Aldrin 4 Emulsible Concentrate			
Aldrin	40.00	42.42	Not Registered

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Niagara Chemical Div. FMC Corp.			
Granular 5% Aldrin Dust			
Aldrin	5.00	5.35	Passed
do	5.00	5.17	Passed
Pearson and Co.			
Pearson's Seed-Saver			
Aldrin	20.53	21.70	Passed
W. R. Peele Company, Inc.			
10% Aldrin Granulated			
Aldrin	11.24	11.21	Passed
Smith-Douglass Division of Borden Chemical, Borden Inc.			
Aldrin 5% Granular			
Aldrin	5.00	4.88	Passed
Aldrin 10% Granular			
Aldrin	10.00	10.58	Passed
United Co-Operatives, Inc.			
Unico Crow-Defeat Seed Treater			
Aldrin	15.00	15.94	Passed
ALDRIN—CAPTAN			
Bonide Chemical Company, Inc.			
Bonide Crotox Powder			
Aldrin	5.00		Passed
Captan	12.50		
Theoretical chlorine	7.33	6.91	
Aldrin	5.00		Passed
Captan	12.50		
Theoretical chlorine	7.33	7.89	
Aldrin	5.00		Excessive
Captan	12.50		Active Ingredient
Theoretical chlorine	7.33	915	
Dragon Chemical Corp.			
Dragon 3-Way Saver			
Aldrin	5.00		Passed
Captan	12.50		
Theoretical chlorine	7.33	7.90	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
ALDRIN-DIELDRIN			
Ringo Manufacturing Co.			
Kill-Ko Ant Bait			
Aldrin	1.50		Not Registered
Dieldrin	0.50		
Theoretical chlorine	1.15	1.13	
AMIBEN			
Amchem Products, Inc.			
Amiben Granular			
Ammonium salt of amiben	10.80	10.92	Passed
Amiben			
Ammonium salt of amiben	23.40	24.07	Passed
do	23.40	23.30	Passed
ARSENICALS			
ARSENIC TRIOXIDE			
Singletary and Company, Inc.			
Singletary's Pest Control			
Arsenic trioxide	1.50	1.42	Passed
CACODYLIC ACID			
O. M. Scott and Sons Co.			
Erase			
Cacodylic acid	7.20	7.44	Passed
CACODYLIC ACID— DIMETHYLARSINIC ACID			
Acme Insecticide Division of The Sherwin-Williams Co.			
Acme Weed Killer—Sodium Cacodylate			
Sodium salt of cacodylic acid	5.20		Not Registered
Dimethylarsinic acid	0.90		
Theoretical arsenic as metallic ...	2.92	2.96	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
CALCIUM ARSENATE— METALDEHYDE			
Chevron Chemical Co. Ortho Div.			
Ortho BUG-GETA Pellets			
Calcium arsenate	5.00	5.39	Passed
Metaldehyde	3.25	3.30	
Calcium arsenate	5.00	5.57	Passed
Metaldehyde	3.25	3.22	
Dragon Chemical Corp.			
Dragon Slug'N Snail Bait			
Calcium arsenate	5.00	5.04	Passed
Metaldehyde	3.20	3.09	
Arsenic as metallic	1.87	1.88	
Calcium arsenate	5.00	5.11	Passed
Metaldehyde	3.20	3.39	
Arsenic as metallic	1.87	1.91	
Calcium Arsenate	5.00	5.08	Passed
Metaldehyde	3.20	3.26	
Arsenic as metallic	1.87	1.90	
United Co-Operatives, Inc.			
Unico Snail & Slug Bait			
Calcium arsenate	5.00	5.07	Not Registered
Metaldehyde	3.20	3.43	
DISODIUM ACID METHANEARSONATE			
The Ansul Co.			
Ansar DSMA Liquid Herbicide			
Disodium methanearsonate	21.80	21.80	Passed
Arsenic as metallic	8.90	8.90	
LEAD ARSENATE			
Allied Chemical Corp.			
Arcadian Powdered Standard Lead Arsenate			
Lead arsenate	98.00	98.22	Not Registered
Woolfolk Chemical Works, Ltd.			
Security Lead Arsenate (Deflocculated)			
Lead arsenate	96.00	94.53	Not Registered
Arsenic as metallic	20.90	20.40	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Arsenic as water soluble (not more than)	0.33	0.23	
Lead as metallic	57.80	57.38	
MONOSODIUM ACID METHANEARSONATE			
The Ansul Co. Chemical Div.			
ANSAR 529 Herbicide			
Monosodium acid methane arsonate	34.80	34.50	Passed
do	34.80	36.96	Passed
do	34.80	35.36	Passed
Diamond Alkali Co.			
Bueno			
Monosodium acid methane arsonate	34.66	35.41	Passed
Daconate			
Monosodium acid methane arsonate	34.66	34.37	Passed
SODIUM ARSENATE			
Atla Chemical Company, Inc.			
Atla Anti-Ant			
Sodium arsenate	1.88	2.03	Passed
Arsenic as metallic	0.75	0.81	
Sodium arsenate	1.88	2.08	Passed
Arsenic as metallic	0.75	0.83	
Sodium arsenate	1.88	1.79	Passed
Arsenic as metallic	0.75	0.72	
Chase Products Co.			
Chase's Ant Killer			
Sodium arsenate	0.95	1.16	Passed
Harris Products Company, Inc.			
"Ant Buttons" Kill Ants			
Sodium arsenate	1.71	1.83	Passed
Senoret Chemical Company, Inc.			
Terro Ant Killer			
Sodium arsenate	2.27	2.31	Passed
do	2.27	2.41	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
SODIUM ARSENITE			
Boyle-Midway, Inc.			
Antrol Ant Killer			
Sodium arsenite	0.61	0.61	Passed
Smith-Douglass Division of Borden Chemical, Borden Inc.			
Nutro Kill-All			
Sodium arsenite	40.00	40.43	Passed
United Co-Operatives, Inc.			
Unico Sodium Arsenite Weed Killer Solution			
Sodium arsenite	42.50	42.74	Passed
do	42.50	44.07	Passed
Woolfolk Chemical Works, Ltd.			
Security 40% Solution Sodium Arsenite			
Sodium arsenite	40.00	38.78	Passed
BENEFIN			
Elanco Products Co. Division of Eli Lilly and Co.			
Balan Liquid Concentrate			
Benefin	19.40	19.39	Passed
do	19.40	19.38	Passed
do	19.40	18.95	Passed
BHC			
Aceline Products Corp.			
Ace Flea Collar for Dogs			
Gamma isomer of BHC	0.63	0.79	Passed
Chevron Chemical Co. Ortho Div.			
Isotox Transplanter Solution			
Gamma isomer of BHC	7.50	7.65	Passed
Cleo Wrap Corp.			
Bye Bye Bugs Shelf & Drawer Liner			
Gamma isomer of BHC	0.27	0.22	Not Registered

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Daly-Herring Co.			
D-H Lindane Dust—Cucumbers—Mellons			
Gamma isomer of BHC	1.00	1.48	Not Registered
Farmingdale Garden Labs, Inc.			
Farmingdale Brand 20% Lindane Insecticide Borer Spray			
Gamma isomer of BHC	20.00	20.02	Not Registered
FCX, Inc.			
FCX 25% Lindane Wettable Spray Powder			
Gamma isomer of BHC	25.00	24.32	Passed
The R. T. French Co.			
French's Cat Flea Collar			
Gamma isomer of BHC	0.75	0.55	Passed
do	0.75	0.65	Passed
Happy Jack, Inc.			
Happy Jack Kennel Dip			
Gamma isomer of BHC	11.00	12.00	Passed
Pet Chemicals, Inc.			
Holiday Ant Butter			
Gamma isomer of BHC	0.05	0.06	Not Registered
Planters Chemical Corp.			
Planters 1% Lindane Dust			
Gamma isomer of BHC	1.00	1.10	Passed
B. G. Pratt Co.			
Pratt's Miner & Borer Spray			
Gamma isomer of BHC	20.00	21.29	Passed
Ralston Purina Co.			
Purina Mange Control			
Gamma isomer of BHC	6.50	6.59	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Royal Lace Paper			
Division of Standard Packaging Corp.			
Roylies Bug-Ban Insecticide Lining Paper			
Gamma isomer of BHC	0.27	0.24	Passed
United Co-Operatives, Inc.			
Farm Chemical Div.			
UNICO Lindane Wetttable Powder			
Gamma isomer of BHC	25.00	23.85	Passed
William Cooper and Nephews, Inc.			
Cooper Screw Worm & Ear Tick Killer			
Gamma isomer of BHC	3.00	2.97	Not Registered
Woolfolk Chemical Works, Ltd.			
Security BHC Concentrate Emulsifiable			
Gamma isomer of BHC	11.70	11.43	Passed
BHC—CAPTAN—DINOCAP— MALATHION			
Smith-Douglass			
Division of Borden Chemical, Borden Inc.			
Nutro Rose and Floral Dust			
Gamma isomer of BHC	1.00		Passed
Captan	7.00		
Dinocap (Including related compounds)	0.75		
Malathion	4.00	3.80	
Theoretical chlorine	3.21	3.36	
Theoretical nitrogen	0.38	0.42	
BHC—CARBARYL—SULFUR—ZINEB			
United Co-Operatives, Inc.			
Unico Rose and Floral Spray Powder A			
Gamma isomer of BHC	3.00	2.90	Passed
Carbaryl	12.50		
Sulfur	25.00	28.65	
Zineb	12.50		
Theoretical nitrogen	2.14	1.92	
Gamma isomer of BHC	3.00	2.96	Deficient
Carbaryl	12.50	10.37	
Sulfur	25.00	28.70	
Zineb	12.50	9.80	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
BHC—CHLORDANE			
Esso Standard Oil Co.			
Flit Bug Killer			
Gamma isomer of BHC	0.05		Passed
Chlordane	2.00		
Theoretical chlorine	1.32	1.19	
BHC—DDT—DDVP			
Boyle-Midway, Inc.			
Black Flag Wasp and Hornet Killer			
Gamma isomer of BHC	0.30		Passed
DDT	1.00		
DDVP (Including related compounds)	0.20		
Theoretical chlorine	0.79	0.86	
BHC—DDT—DINOCAP— KELTHANE—MANEB			
Ralston Purina Co.			
Purina Rose Dust			
Gamma isomer of BHC	1.00		Passed
DDT	3.00		
Dinocap (Including related compounds)	0.75		
Kelthane	3.00		
Maneb	4.20	3.98	
Theoretical chlorine	3.67	3.91	
Theoretical nitrogen	0.50	0.66	
BHC—DDT—DINOCAP—MANEB			
Southern Agricultural Insecticides, Inc.			
SA-50 Brand Rose Dust			
Gamma isomer of BHC	1.00		Passed
DDT	10.00		
Dinocap (Including related compounds)	0.22		
Maneb	5.00	4.96	
Theoretical chlorine	5.73	6.18	
Theoretical nitrogen	0.54	0.84	
BHC—DDT—FOLPET—SULFUR			
Chevron Chemical Co.			
Ortho Rose & Flower Dust			
Gamma isomer of BHC	1.00		Passed
DDT	5.00		

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Folpet	7.50		
Sulfur	30.00	31.87	
Theoretical chlorine	5.92	6.19	
BHC—DDT—KELTHANE— MALATHION			
Smith-Douglass			
Division of Borden Chemical, Borden Inc.			
Multi-Purpose Insect Spray			
Gamma isomer of BHC	5.00		Passed
DDT	5.00		
Kelthane	0.90		
Malathion	12.50	12.91	
Theoretical chlorine	6.59	6.85	
BHC—FOLPET—OVEX— ROTENONE			
Smith-Douglass			
Division of Borden Chemical, Borden Inc.			
Nutro Rose & Floral Spray			
Gamma isomer of BHC	0.50		Passed
Folpet	0.50		
Ovex	0.124		
Rotenone	0.20	Present	
Theoretical chlorine	0.57	0.47	
BHC—MANEB			
Daly-Herring Co.			
D-H Cucumber—Melon Special Dust			
Gamma isomer of BHC	0.75	1.05	Deficient
Maneb	4.20	3.54	
Southern Agricultural Insecticides, Inc.			
SA-50 Brand Cucumber & Squash Dust Containing Maneb and Lindane			
Gamma isomer of BHC	1.00	1.15	Passed
Maneb	5.60	5.26	
BHC—METHOXYCHLOR—SULFUR			
Ralston Purina Co.			
Purina Insect Killer			
Gamma isomer of BHC	0.50		Passed
Methoxychlor	2.50		
Sulfur	10.00	10.71	
Theoretical chlorine	1.13	1.23	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
BHC—PINE OIL			
Allied Drug Products Co.			
Dr. Thacher's Mange Cure			
Gamma isomer of BHC	5.00	5.06	Passed
Pine oil	65.00	66.83	
Rigo Manufacturing Co.			
Kill-Ko Mange Cure			
Gamma isomer of BHC	5.00	5.56	Passed
Pine oil	65.00	66.77	
Gamma isomer of BHC	5.00	5.65	Passed
Pine oil	65.00	63.90	
BHC—SULFUR			
Ralston Purina Co.			
Purina Hog & Cattle Dusting Powder			
Gamma isomer of BHC	1.00	1.01	Passed
Sulfur	10.00	10.45	
Gamma isomer of BHC	1.00	1.08	Passed
Sulfur	10.00	10.83	
BHC—TOXAPHENE			
Ralston Purina Co.			
Purina Range Cattle Spray			
Gamma isomer of BHC	0.45		Passed
Toxaphene	45.00		
Theoretical chlorine	30.48	30.91	
Thompson-Hayward Chemical Co.			
De-Pester Toxaphene—L Stock Spray & Dip			
Gamma isomer of BHC	1.96		Passed
Toxaphene	45.00		
Theoretical chlorine	31.58	32.26	
BORIC ACID			
Colonial Products, Inc.			
Colonial 23 Kills Roaches			
Boric acid	40.00	41.06	Passed
P. F. Harris Manufacturing Company, Inc.			
Harris Famous Roach Tablets			
Boric acid	40.00	43.20	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
CAPTAN			
Chevron Chemical Co.			
Ortho Div.			
Ortho Soybean Seed Protectant (MO)			
Captan	25.00	25.68	Passed
Orthocide 50 Wettable			
Captan	50.00	50.51	Passed
do	50.00	51.70	Passed
do	50.00	53.60	Passed
Stauffer Chemical Co.			
Captan 50-WP			
Captan	50.00	49.20	Passed
do	50.00	53.67	Passed
do	50.00	53.43	Passed
CAPTAN—DINOCAP			
Smith-Douglass			
Division of Borden Chemical, Borden Inc.			
Nutro Black Spot and Powdery Mildew Control			
Captan	30.00		Passed
Dinocap (Including related compounds)	3.00		
Theoretical nitrogen	1.63	1.67	
CARBARYL			
Blue Chemical Company, Inc.			
Thor Brand 5% Sevin Dust Insecticide			
Carbaryl	5.00	5.00	Passed
do	5.00	5.04	Passed
do	5.00	5.20	Passed
Thor Brand 10% Sevin Dust Insecticide			
Carbaryl	10.00	9.78	Passed
Carolina Chemical Corp.			
5% Sevin Dust			
Carbaryl	5.00	4.91	Not Registered
do	5.00	4.50	Deficient
			Not Registered
Chevron Chemical Co.			
Ortho Sevin 5 Dust			
Carbaryl	5.00	5.23	Passed
do	5.00	4.74	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Ortho Sevin Garden Spray			
Carbaryl	50.00	44.83	Deficient
Coastal Chemical Corp.			
5% Sevin Dust			
Carbaryl	5.00	5.49	Passed
do	5.00	5.13	Passed
Daly-Herring Co.			
D-H 5% Sevin Dust			
Carbaryl	5.00	4.65	Passed
Dee Aitch 10% Sevin			
Carbaryl	10.00	10.54	Passed
Dragon Chemical Corp.			
Nok-Out 1-¾ % Sevin Dust			
Carbaryl	1.75	1.77	Passed
Dragon 5% Sevin Dust			
Carbaryl	5.00	4.77	Passed
do	5.00	5.01	Passed
Dragon Sevin 50 Wettable			
Carbaryl	50.00	48.40	Passed
E-Z Flo Chemical Co.			
E-Z Flo Sevin 5 Dust			
Carbaryl	5.00	4.93	Passed
do	5.00	6.47	Passed
do	5.00	4.90	Passed
do	5.00	5.33	Passed
do	5.00	5.09	Passed
FCX, Inc.			
FCX 5% Sevin Dust			
Carbaryl	5.00	4.86	Passed
FCX 10% Sevin Dust			
Carbaryl	10.00	10.91	Passed
do	10.00	10.11	Passed
do	10.00	9.80	Passed
W. R. Grace and Co.			
Naco—5% Sevin Dust			
Carbaryl	5.00	5.09	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Graham Chemical Company, Inc.			
Red Star Sevin Dust			
Carbaryl	2.50	2.26	Not Registered
do	2.50	2.50	Not Registered
GurMiCo Chemicals, Inc.			
GurMiCo 5% Sevin Dust			
Carbaryl	5.00	5.05	Passed
Kaiser Agricultural Chemicals			
Kaiser Farm Chemicals 7½ % Sevin			
Carbaryl	7.50	5.75	Deficient Not Registered
Kaiser 10% Sevin			
Carbaryl	10.00	9.56	Passed
Meherrin Agricultural and Chemical Co.			
Red Kay 5% Sevin Dust			
Carbaryl	5.00	4.90	Passed
do	5.00	4.99	Passed
Miller Chemical and Fertilizer Corp. Subsidiary Alco Standard Corp.			
Miller Sevin #5 Aqua			
Carbaryl	53.68	57.97	Passed
Parrott Chemical Co.			
Beetle Buster Vegetable Dust			
Carbaryl	3.00	3.88	Not Registered
W. R. Peele Company, Inc.			
2% Sevin Dust			
Carbaryl	2.00	1.80	Passed
Sevin 10 Dust			
Carbaryl	10.00	10.26	Passed
Planters Chemical Co. Division of Thompson-Hayward Chemical Co.			
Planters 5% Sevin Dust			
Carbaryl	5.00	4.65	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Planters 10% Sevin Dust			
Carbaryl	10.00	10.54	Passed
do	10.00	10.94	Passed
Rigo Manufacturing Co.			
Kill-Ko Flea Powder			
Carbaryl	5.00	4.13	Deficient
do	5.00	3.43	Deficient
Kill-Ko 5% Sevin Vegetable Dust			
Carbaryl	5.00	5.19	Passed
do	5.00	4.55	Deficient
Royster Chemical Co.			
Chem-Pest Sevin 5 Dust			
Carbaryl	5.00	5.07	Passed
Chem-Pest Sevin 10 Dust			
Carbaryl	10.00	10.27	Passed
Smith-Douglass Division of Borden Chemical, Borden Inc.			
Sevin 5% Dust			
Carbaryl	5.00	4.74	Passed
do	5.00	6.34	Passed
do	5.00	5.26	Passed
Sevin 10% Dust			
Carbaryl	10.00	11.35	Passed
Nutro 7—Sevin Insect Killer			
Carbaryl	50.00	50.65	Passed
Sevin 50% Dust Base			
Carbaryl	50.00	51.30	Misbranded
Southern Agricultural Chemicals, Inc.			
Royal Brand 5% Sevin Dust			
Carbaryl	5.00	5.58	Passed
do	5.00	5.62	Passed
Royal Brand 10% Sevin Cotton Dust			
Carbaryl	10.00	10.85	Not Registered

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Southern Agricultural Insecticides, Inc.			
SA-50 Brand Sevin 1.75% Dust			
Carbaryl	1.75	2.14	Passed
SA-50 Brand Cat & Dog Flea & Tick Dust			
Carbaryl	5.00	4.94	Passed
SA-50 Brand 5% Sevin Dust			
Carbaryl	5.00	5.29	Passed
SA-50 Brand Sevin 50 W Insecticide			
Carbaryl	50.00	50.00	Passed
Swift and Co.			
Swift's 50% Wettable Sevin			
Carbaryl	50.00	50.49	Passed
Union Carbide Corp.			
Union Carbide Sevin Brand 50-W Insecticide			
Carbaryl	50.00	50.85	Passed
Woodbury Chemical Co.			
Sure Death Brand Carin			
Carbaryl	24.40	24.00	Passed
do	24.40	24.94	Passed
do	24.40	24.21	Passed
Woolfolk Chemical Works, Ltd.			
Security 5% Sevin Garden Dust			
Carbaryl	5.00	5.02	Passed
do	5.00	5.21	Passed
Security 10% Sevin Dust			
Carbaryl	10.00	9.92	Passed
Security 50% Sevin Wettable			
Carbaryl	50.00	52.71	Passed
CARBARYL—CAPTAN			
Miller-Morton Co.			
Sergeant's Flea & Tick Powder			
Carbaryl	5.00	6.35	Passed
Captan	0.30	0.30	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Carbaryl	5.00	5.35	Passed
Captan	0.30	0.53	
Carbaryl	5.00	5.29	Passed
Captan	0.30	0.42	
Carbaryl	5.00	5.65	Passed
Captan	0.30	0.50	
Carbaryl	5.00	4.51	Deficient
Captan	0.30	0.46	

CARBARYL—CAPTAN—MALATHION**Seacoast Laboratories, Inc.****Twin Light Sprayall for Fruit**

Carbaryl	5.00	14.08	Deficient
Captan	7.50	6.41	
Malathion	4.00	3.81	

CARBARYL—CHLORANIL**Polk Miller Products Corp.****Sergeant's Flea & Tick Powder**

Carbaryl	5.00	4.84	Passed
Chloranil	5.00	5.49	

CARBARYL—COPPER**FCX, Inc.****FCX "73" Potato and Tomato Dust**

Carbaryl	3.00	3.10	Passed
Copper as metallic	7.00	6.77	

Planters Chemical Co.**Planters 3% Sevin—7% Copper Dust**

Carbaryl	3.00	2.80	Passed
Cupric oxide	3.50		
Cuprous oxide	5.83		
Copper as metallic	7.00	6.95	

CARBARYL—COPPER—SULFUR**Blue Chemical Company, Inc.****Thor Brand 5% Sevin 4% Copper 75% Sulphur Dust**

Carbaryl	5.00	4.76	Not Registered
Copper as metallic	4.00	3.90	
Sulfur	75.00	75.70	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Cape Fear Chemicals, Inc.			
Tiger Brand Peanut Dust Copper, Sevin, Sulphur			
Carbaryl	5.00	4.13	Deficient Not Registered
Copper as metallic	4.00	3.38	
Sulfur	80.00	42.15	
Daly-Herring Co.			
"D-H" 4% Metallic Copper—5% Sevin— 74% Sulphur Peanut Dust			
Carbaryl	5.00	6.35	Passed
Copper as metallic	4.00	3.74	
Sulfur	74.00	72.00	
E-Z Flo Chemical Co.			
E-Z Flo Copper—Sevin—Sulphur Peanut Dust			
Carbaryl	5.00	4.99	Passed
Copper as metallic	4.00	4.03	
Sulfur	80.00	79.85	
FCX, Inc.			
FCX Copper—Sulphur—Sevin Dust			
Carbaryl	5.00	4.85	Passed
Copper as metallic	4.00	3.86	
Sulfur	80.00	77.45	
Carbaryl	5.00	5.01	Deficient
Copper as metallic	4.00	4.31	
Sulfur	80.00	74.35	
Kerr-McGee Chemical Corp.			
Lightning Brand 5% Sevin 4% Copper 75% Sulfur Dust			
Carbaryl	5.00	5.40	Passed
Copper as metallic	4.00	3.90	
Sulfur	75.00	75.00	
Meherrin Agricultural and Chemical Co.			
Red Kay Copper—Sevin—Sulphur Peanut Dust 4-5-75			
Carbaryl	5.00	5.04	Passed
Copper as metallic	4.00	4.01	
Sulfur	75.00	75.14	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Niagara Chemical Div. FMC Corp.			
Niagara Copper 3.4 Sevin 5 Sulfur 80 Peanut Dust			
Carbaryl	5.00	5.12	Not Registered
Copper as metallic	3.40	3.33	
Sulfur	80.00	79.05	
Smith-Douglass Division of Borden Chemical, Borden Inc.			
Sevin—Copper—Sulphur Dust for Peanuts			
Carbaryl	5.00	4.73	Passed
Copper as metallic	4.00	3.75	
Sulfur	75.00	76.05	
Standard Spray and Chemical Co.			
Standard Brand 5% Sevin 4% Copper 75% Sulfur Dust			
Carbaryl	5.00	5.35	Passed
Copper as metallic	4.00	3.65	
Sulfur	75.00	77.55	
CARBARYL—DICHLOROPHENE			
The R. T. French Co.			
French's Flea & Tick Powder for Dogs			
Carbaryl	5.00	5.30	Passed
Dichlorophene	0.50	0.63	
Carbaryl	5.00	6.22	Not Registered
Dichlorophene	0.50	0.61	
Happy Jack, Inc.			
Happy Jack Flea—Tick—Powder			
Carbaryl	5.00	5.35	Passed
Dichlorophene	1.00	0.97	
Carbaryl	5.00	6.22	Passed
Dichlorophene	1.00	1.32	
Carbaryl	5.00	4.65	Not Registered
Dichlorophene	1.00	0.99	
Hartz Mountain Products Corp.			
Flea Powder for Dogs			
Carbaryl	5.00	4.87	Deficient
Dichlorophene	0.50	0.38	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
CARBARYL—DITHANE M-45			
Smith-Douglass Division of Borden Chemical, Borden Inc.			
Dithane M-45—Sevin 5-5 Dust			
Carbaryl	5.00	5.64	Passed
Dithane M-45	4.00	4.48	
CARBARYL—FOLPET—KELTHANE— MALATHION			
Dragon Chemical Corp.			
Dragon Rose Dust			
Carbaryl	3.00	3.98	Not Registered
Folpet	5.00		
Kelthane	1.50		
Malathion	4.00	4.41	
Theoretical chlorine	2.51	2.54	
CARBARYL—HEXACHLOROPHENE— PIPERONYL BUTOXIDE— PYRETHRINS			
Pet Chemicals, Inc.			
Holiday Pet Spray for All Dogs			
Carbaryl	0.50	0.52	Passed
Hexachlorophene	0.50	0.61	
Piperonyl butoxide	1.00	0.90	
Pyrethrins	0.15	0.11	
Carbaryl	0.50	0.54	Passed
Hexachlorophene	0.50	0.57	
Piperonyl butoxide	1.00	1.38	
Pyrethrins	0.15	0.16	
CARBARYL—MALATHION			
Daly-Herring Co.			
Garden Dust Sevin—Malathion			
Carbaryl	2.00	2.26	Passed
Malathion	2.00	1.88	
Carbaryl	2.00	2.10	Passed
Malathion	2.00	2.40	
FCX, Inc.			
FCX Garden Bug Blaster "D"			
Carbaryl	3.00	3.36	Passed
Malathion	3.00	2.86	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Southern Agricultural Chemicals, Inc.			
Royal Brand Two Way Vegetable Dust			
Carbaryl	2.00	1.88	Not Registered
Malathion	2.00	2.20	
CARBARYL—MANEB			
Black Leaf Products Co.			
Tomato & Vegetable Dust			
Carbaryl	5.00	6.46	Deficient
Maneb	6.00	4.23	
Encap Products Co.			
Pop-In Tomato & Vegetable Spray			
Carbaryl	21.26	20.80	Deficient
Maneb	16.34	10.19	
Southern Agricultural Insecticides, Inc.			
SA-50 Brand Tomato & Potato Dust			
Carbaryl	5.00	5.40	Passed
Maneb	5.00	4.90	
Carbaryl	5.00	6.37	Passed
Maneb	5.00	4.68	
CARBARYL—METALDEHYDE			
Southern Agricultural Insecticides, Inc.			
SA-50 Brand Bait Pellets Kill Land Snails and Slugs			
Carbaryl	4.25	4.28	Passed
Metaldehyde	3.25	3.78	
Carbaryl	4.25	4.81	Deficient
Metaldehyde	3.25	2.47	
CARBARYL—N-OCTYL BICYCLOHEPTENE DICARBOXIMIDE—PIPERONYL BUTOXIDE—PYRETHRINS—2,2 THIOBIS -(4-CHLORO -6- METHYLPHENOL)			
Chas. Pfizer and Company, Inc. Agricultural Div.			
Flea Bomb and Deodorant			
Carbaryl	0.50		Passed
N-Octyl bicycloheptene dicarboximide	0.17		

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Piperonyl butoxide	0.10	0.11	
Pyrethrins	0.05	0.07	
2,2 Thiobis-(4-chloro-6- methylphenol)	0.10	0.15	
Theoretical nitrogen	0.043	0.043	
CARBARYL—PARATHION			
Daly-Herring Co.			
Dee Aitch 10% Sevin Dust—2% Parathion			
Carbaryl	10.00	9.84	Passed
Parathion	2.00	2.00	
E-Z Flo Chemical Co.			
E-Z Flo Tobacco Dust No. 51			
Carbaryl	5.00	5.14	Passed
Parathion	1.00	0.86	
FCX, Inc.			
FCX 5% Sevin + 1% Parathion Dust			
Carbaryl	5.00	5.60	Passed
Parathion	1.00	0.88	
Carbaryl	5.00	4.70	Passed
Parathion	1.00	0.85	
Kaiser Agricultural Chemicals			
Kaiser Sevin Tobacco Protector			
Carbaryl	5.00	5.87	Passed
Parathion	1.00	0.90	
Kerr-McGee Chemical Corp.			
Kerr-McGee Tobacco Special Dust			
Carbaryl	5.00	5.66	Not Registered
Parathion	1.00	0.92	
Planters Chemical Co.			
Division of Thompson-Hayward Chemical Co.			
Planters Sevin Tobacco Protector			
Carbaryl	5.00	5.46	Passed
Parathion	1.00	0.90	
Smith-Douglass			
Division of Borden Chemical, Borden Inc.			
Smith-Douglass Sevin—Parathion 10-2 Dust			
Carbaryl	10.00	10.70	Not Registered
Parathion	2.00	1.94	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Southern Agricultural Chemicals, Inc.			
Royal Brand Sevin 5-1 Dust			
Carbaryl	5.00	5.38	Passed
Parathion	1.00	0.93	
Stauffer Chemical Co.			
Parathion—Sevin 1-5 Dust			
Carbaryl	5.00	5.92	Not Registered
Parathion	1.00	1.09	
Carbaryl	5.00	3.54	Deficient Not Registered
Parathion	1.00	1.25	
CARBARYL—PIPERONYL BUTOXIDE—PYRETHRINS—ZINEB			
Ralston Purina Co.			
Purina Tomato & Garden Dust			
Carbaryl	3.00	3.15	Passed
Piperonyl butoxide	0.50	0.40	
Pyrethrins	0.05	0.07	
Zineb	3.90	4.00	
Carbaryl	3.00	3.19	Passed
Piperonyl butoxide	0.50	0.45	
Pyrethrins	0.05	0.07	
Zineb	3.90	4.07	
CARBARYL—POLYRAM			
E-Z Flo Chemical Co.			
E-Z Flo Polyram 5 Sevin 5 Dust			
Carbaryl	5.00	1.08	Not Registered
Polyram	5.00		
Theoretical nitrogen	0.77		
Niagara Chemical Div. FMC Corp.			
Polyram 5 Sevin 5 Dust			
Carbaryl	5.00	4.78	Passed
Polyram	5.00	5.60	
Planters Chemical Co.			
Planters Polyram 5 Sevin 5 Dust Fungicide—Insecticide			
Carbaryl	5.00	5.08	Passed
Polyram	5.00	5.19	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
CARBARYL—PYRETHRINS— ROTENONE			
The R. T. French Co.			
French's Flea & Tick Spray for dogs			
Carbaryl	0.50	0.57	Deficient
Pyrethrins	0.07	0.005	Not Registered
Rotenone	0.03	Present	
CARBARYL—ROTENONE			
C. J. Martin and Sons, Inc.			
Lice Killer			
Carbaryl	0.50	0.40	Passed
Rotenone	1.00	1.07	
Sears, Roebuck and Co.			
Sears Vegetable Garden Dust			
Carbaryl	7.00	7.73	Passed
Rotenone	1.00	Present	
CARBARYL—SULFUR			
Dragon Chemical Corp.			
Blue Dragon Contain 2% Sevin			
Carbaryl	2.00	2.25	Passed
Sulfur	10.00	10.25	
Carbaryl	2.00	1.89	Passed
Sulfur	10.00	9.58	
Carbaryl	2.00	2.33	Passed
Sulfur	10.00	9.67	
Kaiser Agricultural Chemicals			
Kaiser 5% Sevin—75% Sulphur			
Carbaryl	5.00	5.19	Passed
Sulfur	75.00	75.30	
Meherrin Agricultural and Chemical Co.			
Red Kay Sevin-Sulphur Peanut Dust 5-75			
Carbaryl	5.00	5.20	Passed
Sulfur	75.00	72.55	
Planters Chemical Co.			
Division of Thompson-Hayward Chemical Co.			
Planters Special Bean Dust			
Carbaryl	5.00	5.15	Passed
Sulfur	50.00	49.84	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Ralston Purina Co.			
Purina Poultry Dusting Powder			
Carbaryl	5.00	5.56	Passed
Sulfur	10.00	9.94	
Southern Agricultural Insecticides, Inc.			
SA-50 Brand Sevin 3% Dust with 50% Sulfur			
Carbaryl	3.00	3.34	Passed
Sulfur	50.00	49.55	
CARBARYL—SULFUR—ZINEB			
The Sherwin-Williams Co.			
Acme Insecticide Div.			
Acme Tomato Vegetable Dust			
Carbaryl	3.00	3.00	Passed
Sulfur	20.00	21.12	
Zineb	5.20	5.16	
CARBARYL—ZINEB			
Daly-Herring Co.			
"D-H" 7.8% Zineb 10% Sevin			
Carbaryl	10.00	10.81	Deficient Not Registered
Zineb	7.80	7.02	
CHLORDANE			
Acme Insecticide			
Division of Acme Quality Paints, Inc.			
Acme 6% Chlordane Dust			
Chlordane	6.00	6.24	Passed
Black Leaf Products Co.			
Chlordane Dust contains 10% Chlordane			
Chlordane	10.00	11.20	Passed Not Registered
do	10.00	9.76	
Carolina Chemical Corp.			
Chlordane Emulsifiable Concentrate			
Chlordane	72.00	72.31	Not Registered Not Registered
do	72.00	72.76	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Chevron Chemical Co.			
Ortho Div.			
Ortho-Klor 10 Chlordane Dust			
Chlordane	10.00	9.90	Passed
do	10.00	9.90	Passed
E-Z Flo Chemical Co.			
E-Z Flo 10% Granular Chlordane			
Chlordane	10.00	9.69	Passed
FCX, Inc.			
FCX 5% Chlordane Granular			
Chlordane	5.00	4.25	Deficient
FCX 10% Chlordane Dust			
Chlordane	10.00	9.65	Passed
FCX Chlordane 4			
Chlordane	45.00	44.19	Not Registered
FCX Chlordane 8			
Chlordane	72.00	72.25	Passed
Florida Agricultural Supply Co.			
Ideal Brand Chlordane 10 Dust			
Chlordane	10.00	10.39	Not Registered
W. R. Grace and Co.			
Maxwell Insecticides 5% Chlordane Dust			
Chlordane	5.00	5.06	Passed
Naco Chlordane 8 Emulsifiable Concentrate			
Chlordane	71.36	73.30	Passed
Hilo Products, Inc.			
Hilo Kennel Spray			
Chlordane	2.00	2.61	Passed
Hopkins Agricultural Chemical Co.			
Hopkins Fire Ant Dust Containing Chlordane			
Chlordane	10.00	9.91	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Pearson and Co.			
Pearson's 10% Chlordane			
Chlordane	10.00	9.89	Not Registered
L. Perrigo Co.			
Lightning Ant Powder			
Chlordane	4.00	3.75	Not Registered
do	4.00	3.99	Not Registered
Rigo Manufacturing Co.			
Kill-Ko 10% Chlordane Dust			
Chlordane	10.00	10.75	Passed
Kill-Ko 74% Chlordane Emulsifiable			
Chlordane	74.00	74.24	Passed
Sivero Inc.			
Sivero's Auto—Home—Garden Insecticide Tablets			
Chlordane	16.00	15.51	Passed
Southern Agricultural Insecticides, Inc.			
SA-50 Brand 10% Chlordane Dust			
Chlordane	10.00	10.39	Passed
SA-50 Brand 10% Chlordane Granules			
Chlordane	10.00	10.60	Passed
SA-50 Brand 72% Chlordane Emulsion Concentrate			
Chlordane	72.00	75.46	Passed
Swift Agricultural Chemicals Co.			
Vigoro 10% Chlordane Dust			
Chlordane	10.00	9.71	Passed
Woolfolk Chemical Works, Ltd.			
Security 10% Chlordane Dust			
Chlordane	10.00	10.00	Passed
Security Chlordane EC-8 Emulsifiable Concentrate			
Chlordane	72.80	72.33	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
CHLORDANE—LETHANE 384 SPECIAL			
Swift and Co. Agricultural Div.			
End-O-Pest Ant & Lawn Insect Killer			
Chlordane	8.00	6.81	Deficient
Lethane 384 special	1.00	1.22	
CHLORDANE—PIPERONYL BUTOXIDE—PYRETHRINS—RONNEL			
W. T. Grant Co.			
Grant Maid Ant and Roach Killer			
Chlordane	1.50	0.10 0.052 1.32	Passed
Piperonyl butoxide	0.09		
Pyrethrins	0.045		
Ronnel	1.00		
Theoretical chlorine	1.29		
2-CHLOROALLYL DIETHYLDITHIOCARBAMATE			
Monsanto Agricultural Div.			
Vegadex Selective Herbicide			
2-Chloroallyl diethyldithio- carbamate	46.40	48.56	Passed
to	46.40	48.80	Passed
CIODRIN			
United Co-Operatives, Inc.			
UNICO 1% Ciodrin Insecticide Back Rubber Solution			
Ciodrin	1.00	1.27	Passed
do	1.00	1.08	Passed
UNICO 3% Ciodrin Insecticide			
Ciodrin	3.00	3.47	Not Registered
COPPER			
Acme Insecticides Division of Acme Quality Paints, Inc.			
Acme Bordeaux Mixture			
Copper as metallic	12.75	13.00	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Black Leaf Products Co.			
Bordeaux Powder			
Copper as metallic	12.75	13.36	Not Registered
Calumet and Hecla Calumet Div.			
CAL-COP 10 Fungicide			
Copper as metallic	10.00	9.98	Passed
Forshaw Chemicals, Inc.			
For-Cop 80			
Copper as metallic	8.00	8.13	Passed
Southern Agricultural Insecticides, Inc.			
SA-50 Brand Tomato Dust			
Copper as metallic	7.00	7.04	Passed
do	7.00	6.63	Passed
Standard Spray and Chemical Co.			
Copoloid 6			
Copper as metallic	6.00	5.71	Passed
Woolfolk Chemical Works, Ltd.			
Security Brand Copper-Zinc Spray			
Copper as metallic	12.50	12.51	Not Registered
COPPER—BORON—SULFUR			
Blue Chemical Company, Inc.			
Thor Brand 3.4% Boron—4.0% Copper— 65% Sulphur Dust			
Copper as metallic	4.00	2.45	Deficient
Boron	3.34	3.11	
Sulfur	65.00	63.55	
FCX, Inc.			
FCX Copper-Sulphur Peanut Dust with Boron			
Copper as metallic	4.00	3.83	Passed
Boron	3.34	3.33	
Sulfur	70.00	72.40	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Standard Spray and Chemical Co.			
Standard Brand 3.34% Boron 4% Copper 65% Sulphur			
Copper oxide	5.00		Passed
Copper as metallic	4.00	4.50	
Boron	3.34	3.35	
Sulfur	65.00	67.34	
COPPER NAPHTHENATE			
Clarke and Proctor Turpentine Co.			
Oh Boy Copper Naphthenate Wood Preservative			
Copper naphthenate	20.00		Passed
Copper as metallic	2.00	1.76	
Douglas Chemical Co.			
Douglas Copper Naphthenate Wood Preservative			
Copper naphthenate	13.00		Passed
Copper as metallic	1.00	1.02	
Falkner's Building Supply, Inc.			
Falkner's Copper Naphthenate Wood Preservative			
Copper naphthenate	20.00		Deficient Not Registered
Copper as metallic	2.00	0.81	
King Chemical Co.			
Coppo Copper Naphthenate			
Copper naphthenate	10.00		Passed
Copper as metallic	1.00	0.91	
COPPER SULFATE			
Phelps Dodge Refining Corp.			
Nichols Triangle Brand Copper Sulfate			
Copper sulfate	99.00		Passed
Copper as metallic	25.20	25.16	
COPPER—SULFUR			
Blue Chemical Company, Inc.			
Thor Brand 3.4% Boron 4.0% Copper 65.0% Sulphur Dust			
Copper as metallic	4.00	4.20	Not Registered
Sulfur	65.00	65.37	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Thor Brand 4% Copper 75% Sulphur Dust			
Copper as metallic	4.00	3.70	Not Registered
Sulfur	75.00	74.55	
Thor Brand Sulphur-Copper Peanut Dust			
Copper as metallic	4.00	4.20	Passed
Sulfur	80.00	79.05	
Daly-Herring Co.			
"D-H" 4% Metallic Copper—85.5% Sulphur Peanut Dust			
Copper as metallic	4.00	3.84	Passed
Sulfur	85.50	83.60	
Meherrin Agricultural and Chemical Co.			
Red Kay 4% Copper-Sulphur Peanut Dust			
Copper as metallic	4.00	3.81	Passed
Sulfur	86.00	85.35	
Copper as metallic	4.00	4.17	Deficient
Sulfur	86.00	82.75	
Niagara Chemical Div. FMC Corp.			
Peanut Dust 4-80			
Copper as metallic	4.00	3.84	Passed
Sulfur	80.00	79.80	
Smith-Douglass Division of Borden Chemical, Borden Inc.			
Special Copper—Sulfur—Boron Dust for Peanuts			
Copper as metallic	4.00	4.16	Deficient
Sulfur	65.00	62.10	
Copper-Sulfur 4-85 Dust for Peanuts			
Copper as metallic	4.00	3.78	Passed
Sulfur	85.00	86.20	
Stauffer Chemical Co.			
Stauffer Copper-Sulfur 4-90 Dust			
Copper as metallic	4.00	3.73	Not Registered
Sulfur	90.00	89.45	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
CUPRIC HYDROXIDE			
Kenncott Copper Corp.			
Kocide 101 Agricultural Fungicide			
Cupric hydroxide	86.00		Passed
Copper as metallic	56.00	55.11	
Cupric hydroxide	86.00		Passed
Copper as metallic	56.00	54.62	
COUMAFURYL			
Brown Manufacturing Co.			
Rough on Rats Anti-Coagulant Bait			
Coumafuryl	0.025	0.029	Passed
do	0.025	0.031	Passed
E. F. Colman			
Rat & Mouse Bait, Granule with Fumarin			
Coumafuryl	0.025	0.021	Not Registered
Rigo Manufacturing Co.			
Kill-Ko Rat Bait			
Coumafuryl	0.025	0.024	Passed
do	0.025	0.025	Passed
Kill-Ko Rat & Mouse Bait			
Coumafuryl	0.025	0.026	Not Registered
Kill-Ko Mouse & Rat Bait			
Coumafuryl	0.038	0.032	Passed
Southern Agricultural Insecticides, Inc.			
SA-50 Brand Kill Rats & Mice			
Coumafuryl	0.025	0.023	Passed
do	0.025	0.027	Passed
do	0.025	0.027	Passed
Starbar, Inc.			
Division of Thuron Industries, Inc.			
Starbar Trax Rat & Mouse Bait			
Coumafuryl	0.025	0.021	Not Registered
Swift and Co.			
Agricultural Div.			
End-O-Pest Rat & Mouse Bait			
Coumafuryl	0.025	0.022	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
2, 4-D			
Black Leaf Products Co.			
Spot Weed Killer			
Dimethylamine salt of 2, 4-D	0.65	0.53	Passed
do	0.65	0.66	Not Registered
Chipman Chemical Company, Inc.			
Chipman 2, 4-D low Volatile Ester 4L			
Iso-octyl ester of 2, 4-D	70.20	71.75	Passed
The Dow Chemical Co.			
Dow DMA—4			
Dimethylamine salt of 2, 4-D	49.60	48.64	Passed
Esteron 99			
Propylene glycol butyl ether ester of 2, 4-D	41.00	43.17	Passed
2, 4-D equivalent	25.30	26.64	
Formula 40			
Alkanolamine salts (of the ethanol and isopropanol series) of 2, 4-D	65.00	63.15	Passed
Guth Chemical Co.			
Lithate 2, 4-D			
Lithium salt of 2, 4-D	92.40	89.40	Passed
Rhodia, Inc. Chipman Div.			
Chipman 2, 4-D Amine No. 4			
Dimethylamine salt of 2, 4-D	49.60	47.80	Passed
Smith-Douglass Division of Borden Chemical, Borden Inc.			
Tramplene			
Dimethylamine salt of 2, 4-D	49.80	49.01	Passed
do	49.80	48.27	Passed
Swift and Co. Agricultural Chemical Div.			
Swift's Gold Bear 40			
Dimethylamine salt of 2, 4-D	49.50	44.98	Deficient

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
2, 4-D—MECOPROP			
O. M. Scott and Sons Co.			
Kansel			
2, 4-D	2.15		Passed
Mecoprop	2.15		
Theoretical chlorine	1.04	1.04	
2-4, D—2, 4, 5-T			
Black Leaf Products Co.			
Black Leaf Lawn Weed Killer Spray Bomb			
Morpholine salt of 2, 4-D	0.99		Deficient Not Registered
Morpholine salt of 2, 4, 5-T	0.48		
Theoretical chlorine	0.38	0.23	
Chevron Chemical Co.			
Ortho Div.			
Ortho Brush Killer			
Isooctyl ester of 2, 4-D	20.00		Passed
Isooctyl ester of 2, 4, 5-T	9.50		
Theoretical chlorine	7.00	6.94	
Diamond Alkali Co.			
The Line Rider			
Isooctyl ester of 2, 4-D	34.00		Not Registered
Isooctyl ester of 2, 4, 5-T	32.50		
Theoretical chlorine	16.64	15.92	
Wood Treating Chemical Co.			
Weed and Brush Off Amine Formula 400			
Diethylethanolamine salt of 2, 4-D	17.54		Not Registered
Diethylethanolamine salt of 2, 4, 5-T	8.84		
Theoretical chlorine	6.86	7.19	
DACTHAL			
Acme Insecticide			
Division of Acme Quality Paints, Inc.			
Acme Garden Weed Preventer			
Dacthal	2.50	2.81	Passed
Diamond Shamrock Corp.			
Dacthal W-50 for Turf			
Dacthal	50.00	51.50	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Dacthal W-75 Herbicide			
Dacthal	75.00	74.04	Passed
Dragon Chemical Corp.			
Dragon No-Ho			
Dacthal	5.00	6.90	Excessive Active Ingredient
FCX, Inc.			
FCX Dacthal 2.5 G			
Dacthal	2.50	2.75	Passed
Heritage House Products A Unit of Diamond Alkali Co.			
Heritage House Garden Weed Preventer			
Dacthal	2.28	2.87	Not Registered
Pearson and Co.			
Pearson's Kleen-Gro			
Dacthal	2.50	3.06	Not Registered
Southern Agricultural Insecticides, Inc.			
SA-50 Brand Home Garden Weed Granules			
Dacthal	5.00	5.17	Passed
DDD			
Blue Chemical Company, Inc.			
Thor Brand 10% TDE Tobacco Dust			
DDD	10.00	9.56	Passed
do	10.00	10.03	Passed
Thor Brand 2 Lb. TDE			
DDD	23.50	25.35	Passed
Carolina Chemical Corp.			
TDE 10% Dust			
DDD	10.00	8.93	Deficient Not Registered
TDE 2 Lb. Emulsion Concentrate			
DDD	23.80	25.71	Passed
do	23.80	25.49	Passed
do	23.80	26.53	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Carter Insecticide and Chemical Company, Inc.			
Carter Carolina Brand TDE Emulsion 3 Pounds			
DDD	35.50	36.18	Passed
Coastal Chemical Corp.			
10% TDE Dust			
DDD	10.00	10.93	Passed
Daly-Herring Co.			
"D-H" 10% TDE Dust			
DDD	10.00	10.15	Not Registered
Bacco Spray Emulsifiable Concentrate			
DDD	25.00	25.74	Passed
do	25.00	25.38	Not Registered
E-Z Flo Chemical Co.			
E-Z Flo TDE 2-E			
DDD	24.60	25.00	Passed
do	24.60	24.81	Passed
FCX, Inc.			
FCX 10% TDE Dust			
DDD	10.00	9.73	Passed
do	10.00	9.99	Passed
FCX TDE-2			
DDD	23.40	25.17	Passed
do	23.40	24.73	Passed
do	23.40	25.62	Passed
do	23.40	24.81	Passed
W. R. Grace and Co.			
Naco—10% TDE Dust			
DDD	10.00	9.81	Passed
do	10.00	10.80	Passed
do	10.00	9.99	Passed
do	10.00	10.89	Passed
Maxwell Insecticides—25% Rhotane Emulsion Concentrate			
DDD	25.00	23.89	Passed
do	25.00	23.78	Passed
do	25.00	25.62	Passed
do	25.00	21.17	Deficient

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Naco 25% Rhothane Emulsion Conc.			
DDD	25.00	23.93	Passed
GurMiCo Chemicals, Inc.			
GurMiCo Tobacco Dust 10 TDE			
DDD	10.00	11.84	Not Registered
do	10.00	10.21	Not Registered
Kaiser Agricultural Chemicals			
Kaiser 25% TDE Concentrate			
DDD	25.00	29.78	Passed
do	25.00	26.43	Passed
do	25.00	29.27	Passed
Niagara Chemical Division FMC Corp.			
DDD 25 Miscible			
DDD	25.00	25.24	Passed
do	25.00	24.59	Passed
Pee Dee Chemicals, Inc.			
Palmetto Brand—10% TDE Dust			
DDD	10.00	9.60	Not Registered
W. R. Peele Company, Inc.			
Tobacco Dust Contains 10% TDE			
DDD	10.00	10.50	Passed
Emulsifiable Concentrate Contains 2 lbs. TDE			
DDD	23.75	25.43	Passed
Planters Chemical Co.			
Planters 10% TDE Dust			
DDD	10.00	9.77	Passed
Planters TDE 2 Lb. Emulsion Concentrate			
DDD	23.80	24.06	Passed
do	23.80	23.79	Passed
Royster Chemical Division of Royster Guano Co.			
"20T" Contains 2 Pounds TDE Per Gallon E. C.			
DDD	23.70	24.74	Not Registered

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Smith-Douglass Division of Borden Chemical, Borden Inc.			
TDE 10% Dust			
DDD	10.00	11.12	Passed
do	10.00	10.39	Not Registered
TDE 2 Lb. Emulsion Concentrate			
DDD	23.80	26.01	Passed
Southern Agricultural Chemicals, Inc.			
Royal Brand Rhothane Spray Concentrate			
DDD	25.00	24.84	Passed
do	25.00	26.10	Passed
DDD—DIELDRIN			
Chevron Chemical Co. Ortho Div.			
Ortho Tobacco Spray—D			
DDD	24.50		Passed
Dieldrin	2.30		
Theoretical chlorine	12.14	12.34	
DDD—ENDOSULFAN			
Niagara Chemical Div. FMC Corp.			
Harvester Tobacco Spray			
DDD	17.10		Passed
Endosulfan	7.30		
Theoretical chlorine	11.39	12.11	
DDD	17.10		Passed
Endosulfan	7.30		
Theoretical chlorine	11.39	11.91	
Smith-Douglass Division of Borden Chemical, Borden Inc.			
Super Voo-Doo			
DDD	17.48		Passed
Endosulfan	7.49		
Theoretical chlorine	11.66	13.22	
DDD	17.48		Passed
Endosulfan	7.49		
Theoretical chlorine	11.66	13.14	
DDD	17.48		Not Registered
Endosulfan	7.49		
Theoretical chlorine	11.66	12.37	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
DDD—FERBAM—MTHOXYCHLOR— SULFUR—2-(P-TERT- BUTYLPHENOXY-ISOPROPYL- 2'-CHLOROETHYL SULFITE			
Swift and Co.			
End-O-Pest Tree Spray			
DDD	5.00		Deficient
Ferbam	10.00	6.93	
Methoxychlor	10.00		
Sulfur	30.00	30.86	
2-(P-tert-butylphenoxy)— isopropyl-2'-chloroethyl sulfite	1.20		
Theoretical chlorine	5.42	5.36	
DDD—GUTHION			
Carolina Chemical Corp.			
Flash Tobacco Insecticide			
DDD	23.95	25.17	Passed
Guthion	6.00	6.46	
DDD	23.95	25.36	Passed
Guthion	6.00	5.89	
DDD	23.95	24.62	Passed
Guthion	6.00	6.35	
E-Z Flo Chemical Co.			
Super-Kill Tobacco Gard			
DDD	23.95	24.47	Passed
Guthion	6.00	5.95	
DDD—PARATHION			
Cape Fear Chemicals, Inc.			
Tiger Brand 1-10 Tobacco Dust			
DDD	10.00	10.07	Passed
Parathion	1.00	0.92	
Carolina Chemical Corp.			
Tobacco King Emulsion Concentrate			
DDD	23.39	25.56	Passed
Parathion	5.86	5.50	
DDD	23.39	24.99	Passed
Parathion	5.86	5.73	
DDD	23.39	24.38	Passed
Parathion	5.86	6.04	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
DDD	23.39	24.79	Deficient
Parathion	5.86	5.37	
Daly-Herring Co.			
Bacco 10% TDE—1% Parathion Dust			
DDD	10.00	10.39	Passed
Parathion	1.00	0.92	
Bacco 10-1 10% TDE—1% Parathion Dust			
DDD	10.00	12.16	Excessive Active Ingredient
Parathion	1.00	1.44	
DDD	10.00	14.01	Excessive Active Ingredient
Parathion	1.00	0.96	
“D-H” 10-1 10% TDE—1% Parathion Dust			
DDD	10.00	9.80	Not Registered
Parathion	1.00	0.98	
E-Z Flo Chemical Co.			
E-Z Flo Tobacco Spray No. 1			
DDD	24.00	25.08	Passed
Parathion	6.00	5.98	
DDD	24.00	24.49	Passed
Parathion	6.00	6.17	
DDD	24.00	25.88	Passed
Parathion	6.00	6.25	
DDD	24.00	25.07	Passed
Parathion	6.00	5.91	
DDD	24.00	24.76	Passed
Parathion	6.00	5.96	
FCX, Inc.			
FCX 5% TDE—1% Parathion Dust			
DDD	5.00	4.92	Passed
Parathion	1.00	0.92	
FCX 10% TDE—1% Parathion Dust			
DDD	10.00	10.08	Passed
Parathion	1.00	0.96	
FCX Tobacco Bug Blaster			
DDD	23.20	23.77	Passed
Parathion	5.70	6.29	
DDD	23.20	24.23	Passed
Parathion	5.70	6.23	
DDD	23.20	24.39	Passed
Parathion	5.70	6.65	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
DDD	23.20	23.53	Passed
Parathion	5.70	6.21	
DDD	23.20	23.79	Passed
Parathion	5.70	6.10	
DDD	23.20	24.42	Passed
Parathion	5.70	6.27	

W. R. Grace and Co.**Maxwell Insecticides-Tobacco Spray—Plus**

DDD	24.00	25.79	Passed
Parathion	6.00	6.00	
DDD	24.00	25.60	Passed
Parathion	6.00	6.02	
DDD	24.00	25.12	Passed
Parathion	6.00	5.71	
DDD	24.00	24.67	Passed
Parathion	6.00	5.94	
DDD	24.00	25.04	Passed
Parathion	6.00	5.66	
DDD	24.00	24.53	Passed
Parathion	6.00	6.37	
DDD	24.00	24.50	Passed
Parathion	6.00	6.27	
DDD	24.00	25.05	Passed
Parathion	6.00	5.68	
DDD	24.00	25.00	Passed
Parathion	6.00	6.58	

Kaiser Agricultural Chemicals**Kaiser 1-10 Rothane and Parathion Dust**

DDD	10.00	10.99	Passed
Parathion	1.00	0.84	

Kaiser Top-Gun

DDD	24.20	24.38	Passed
Parathion	6.00	6.65	
DDD	24.20	26.70	Passed
Parathion	6.00	6.10	
DDD	24.20	27.12	Excessive
Parathion	6.00	6.56	Active Ingredient

W. R. Peele Company, Inc.**Super Tobacco Spray**

DDD	24.00	24.44	Passed
Parathion	6.00	5.66	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Royster Chemical Co.			
"205" 2 # TDE & 0.5 # Ethyl Parathion Per Gallon			
DDD	24.20	20.42	Deficient Not Registered
Parathion	6.00	0.77	
Smith-Douglass Division of Borden Chemical, Borden Inc.			
TDE-Parathion 10-1 Dust			
DDD	10.00	10.42	Passed
Parathion	1.00	1.09	
TDE-Parathion 2-.5 Emulsion Concentrate			
DDD	24.20	25.88	Passed
Parathion	6.00	6.12	
DDD	24.20	26.74	Passed
Parathion	6.00	5.94	
Southern Agricultural Chemicals, Inc.			
Royal Brand 10% Rhothane Dust with 1% Parathion			
DDD	10.00	9.99	Passed
Parathion	1.00	1.09	
Stauffer Chemical Co.			
Parathion-TDE .5-2E			
DDD	24.30	25.61	Passed
Parathion	6.00	6.48	
DDD	24.30	26.09	Passed
Parathion	6.00	5.81	
DDD	24.30	24.59	Passed
Parathion	6.00	5.73	
DDD	24.30	25.52	Passed
Parathion	6.00	6.02	
Swift and Co. Agrichem Div.			
Swift's Gold Bear Super Guard 32E			
DDD	23.40	25.20	Passed
Parathion	3.50	3.39	
DDT			
Acme Quality Paints, Inc. Division of The Sherwin-Williams Co.			
Acme 5% DDT Dust			
DDT	5.00	5.75	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Armour Agricultural Chemical Co.			
Armagard DDT 10% Dust			
DDT	10.00	8.97	Deficient Not Registered
Black Leaf Products Co.			
50% DDT Wettable Powder			
DDT	50.00	49.73	Passed
do	50.00	30.02	Deficient Not Registered
Blue Chemical Company, Inc.			
Thor Brand 10% DDT Dust			
DDT	10.00	9.85	Not Registered
Thor Brand 2 lb. DDT			
DDT	23.00	24.02	Passed
do	23.00	24.52	Passed
Carolina Chemical Corp.			
5% DDT Dust			
DDT	5.00	5.35	Passed
DDT 2 Lb. Emulsion Concentrate			
DDT	23.80	24.22	Passed
do	23.80	24.84	Passed
do	23.80	24.24	Passed
do	23.80	26.41	Passed
do	23.80	24.88	Passed
Carter Insecticide and Chemical Company, Inc.			
Carter Carolina Brand 25% DDT Emulsion Concentrate			
DDT	25.00	25.20	Passed
Chevron Chemical Co. Ortho Div.			
Pest-B-Gon 50% DDT Wettable			
DDT	50.00	50.94	Passed
Coastal Chemical Corp.			
DDT Emulsion			
DDT	25.00	25.06	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Columbia Nitrogen Corp.			
Columbia Brand 2 Lb. DDT			
DDT	23.00	24.57	Passed
Daly-Herring Co.			
"D-H" 5% DDT Dust			
DDT	5.00	4.96	Passed
Dee Aitch 25% DDT Emulsifiable Concentrate			
DDT	25.00	24.71	Passed
do	25.00	25.75	Passed
do	25.00	26.18	Passed
do	25.00	27.63	Passed
Dragon Chemical Corp.			
Dragon 50% DDT Wettable			
DDT	50.00	40.89	Deficient Not Registered
E-Z Flo Chemical Co.			
E-Z Flo DDT 2E			
DDT	24.00	25.06	Passed
FCX, Inc.			
FCX 5% DDT Dust			
DDT	5.00	4.92	Passed
FCX 10% DDT Dust			
DDT	10.00	10.64	Passed
DDT Emulsifiable Concentrate			
DDT	24.00	24.41	Passed
FCX D.D.T.-2			
DDT	24.00	24.50	Passed
FCX 50% DDT Wettable Powder			
DDT	50.00	50.70	Passed
W. R. Grace and Co.			
Maxwell Insecticides—5% DDT Dust			
DDT	5.00	4.88	Passed
Naco—5% DDT Dust			
DDT	5.00	5.02	Passed
do	5.00	4.79	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Maxwell Insecticides—25% DDT Emulsion Concentrate			
DDT	25.00	24.03	Passed
Naco—25% DDT Emulsion Concentrate			
DDT	25.00	25.37	Passed
do	25.00	24.71	Passed
Greever's, Inc.			
Greever's 50% DDT Spray Concentrate Powder			
DDT	50.00	50.34	Passed
do	50.00	50.20	Passed
Hopkins Agricultural Chemical Co.			
Hopkins 10% DDT Dust			
DDT	10.00	9.81	Passed
Kaiser Agricultural Chemicals			
Kaiser 10% DDT Dust			
DDT	10.00	9.34	Deficient
Kaiser DDT 3E			
DDT	32.00	35.52	Passed
Kerr-McGee Chemical Corp.			
Kerr-McGee DDT Emulsifiable Concentrate			
DDT	25.00	24.24	Passed
McCormick and Company, Inc.			
Bee Brand Flea & Tick Killer			
DDT	10.00	11.39	Passed
W. R. Peele Company, Inc.			
DDT Emulsifiable Concentrate			
DDT	23.76	23.89	Passed
do	23.76	23.78	Passed
do	23.76	23.56	Passed
do	23.76	23.11	Passed
do	23.76	23.61	Passed
Planters Chemical Co.			
Planters 10% DDT Dust			
DDT	10.00	10.20	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Royster Chemical Co.			
"100"—Contains 10% DDT			
DDT	10.00	10.38	Passed
Smith-Douglass Division of Borden Chemical, Borden Inc.			
DDT 5% Dust			
DDT	5.00	5.20	Passed
do	5.00	4.74	Passed
do	5.00	5.34	Not Registered
DDT 2 lb. Emulsion Concentrate			
DDT	23.80	23.30	Passed
do	23.80	25.31	Passed
do	23.80	24.55	Passed
Southern Agricultural Chemicals, Inc.			
Royal Brand 10% DDT Dust			
DDT	10.00	10.07	Passed
Southern Agricultural Insecticides, Inc.			
SA-50 Brand 5% DDT Dust			
DDT	5.00	4.87	Passed
SA-50 Brand 10% DDT Dust			
DDT	10.00	9.97	Passed
do	10.00	10.03	Passed
SA-50 Brand 50% DDT Spray Wettable Concentrate			
DDT	50.00	50.41	Passed
United Co-Operatives, Inc.			
Unico DDT Spray Powder			
DDT	50.00	48.93	Passed
DDT—BETA-BUTOXY BETA'- THIOCYANO DIETHYL ETHER			
Boyle-Midway, Inc.			
Black Flag Contains 5% DDT Insect Spray			
DDT	5.00	5.36	Passed
Beta-butoxy beta'-thiocyano diethyl ether	1.00	1.41	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
DDT—CAPTAN—DINOCAP— MALATHION			
Swift and Co.			
Vigoro Rose Dust			
DDT	5.00		Passed
Captan	7.50		
Dinocap (Including related compounds)	1.00		
Malathion	4.50	4.31	
Theoretical chlorine	5.15	5.06	
Theoretical nitrogen	0.43	0.47	
DDT	5.00		Deficient
Captan	7.50		
Dinocap (Including related compounds)	1.00		
Malathion	4.50	3.97	
Theoretical chlorine	5.15	5.01	
Theoretical nitrogen	0.43	0.54	
DDT-CARBOPHENOTHION			
Blue Chemical Company, Inc.			
Thor Brand Methyl Tri-Kill with DDT			
DDT	23.20		Not Registered
Carbophenothion (Including related compounds)	11.60		
Theoretical chlorine	12.80	13.25	
DDT—COPPER			
Chem-Salts, Inc.			
Copoloid—3-12			
DDT	12.00	11.47	Not Registered
Copper salts of rosin and fatty acids	36.00	36.24	
Daly-Herring Co.			
Dee Aitch 7% Metallic Copper—10% DDT Tomato-Potato Dust			
DDT	10.00	10.74	Passed
Copper as metallic	7.00	6.87	
FCX, Inc.			
FCX 7-5 Potato & Tomato Dust			
DDT	5.00	4.98	Passed
Copper as metallic	7.00	7.01	
DDT	5.00	5.04	Passed
Copper as metallic	7.00	7.06	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Mike, Inc.			
Royal Brand Copper Dust with 5% DDT for Potatoes and Tomatoes			
DDT	5.00	5.01	Not Registered
Copper as metallic	6.50	6.38	
W. R. Peele Company, Inc.			
5% DDT 7% Copper Dust			
DDT	5.00	5.36	Passed
Copper as metallic	7.00	6.72	
Southern Agricultural Insecticides, Inc.			
SA-50 Brand Potato Dust with 6½ % Copper and 5% DDT			
DDT	5.00	4.87	Passed
Copper as metallic	6.50	6.60	
Standard Spray and Chemical Co.			
Copoloid 3-12			
DDT	12.00	11.43	Passed
Copper as metallic	3.00	3.02	
DDT—COPPER—SULFUR			
Blue Chemical Company, Inc.			
Thor Brand 5% DDT—4% Copper 75% Sulphur Dust			
DDT	5.00	4.99	Not Registered
Copper as metallic	4.00	3.88	
Sulfur	75.00	74.45	
Daly-Herring Co.			
"D-H" 4-5-74 Dust			
DDT	5.00	4.98	Passed
Copper as metallic	4.00	3.78	
Sulfur	74.00	72.75	
FCX, Inc.			
FCX Copper Sulphur Peanut Dust with 5% DDT			
DDT	5.00	5.07	Passed
Copper as metallic	4.00	4.00	
Sulfur	76.50	76.85	
Kaiser Agricultural Chemicals			
Kaiser Peanut Dust 5% DDT 4% Copper Sulphur			
DDT	5.00	5.10	Not Registered
Copper as metallic	4.00	3.96	
Sulfur	76.00	75.70	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Meherrin Agricultural and Chemical Co.			
Red Kay Four-Five Peanut Dust			
DDT	5.00	4.94	Passed
Copper as metallic	4.00	3.94	
Sulfur	76.00	75.65	
DDT—DDD			
Cape Fear Chemicals, Inc.			
Tiger Brand 5-5 Tobacco Dust			
DDT	5.00	4.67	Passed
DDD	5.00		
Theoretical chlorine	4.72		
Carolina Chemical Corp.			
Budworm & Hornworm Spray			
DDT	12.50	16.34	Not Registered
DDD	24.50		
Theoretical chlorine	17.11		
E-Z Flo Chemical Co.			
E-Z Flo Little Jack Tobacco Spray			
DDT	17.66	16.60	Not Registered
DDD	17.66		
Theoretical chlorine	16.65		
W. R. Grace and Co.			
Maxwell Insecticides TDE-DDT Emulsion Concentrate			
DDT	17.50	16.64	Passed
DDD	17.50		
Theoretical chlorine	16.50		
DDT	17.50	17.86	Passed
DDD	17.50		
Theoretical chlorine	16.50		
DDT	17.50	16.61	Passed
DDD	17.50		
Theoretical chlorine	16.50		
DDT	17.50	16.77	Passed
DDD	17.50		
Theoretical chlorine	16.50		
Naco Insecticides TDE-DDT Emulsion Concentrate			
DDT	17.50	16.91	Not Registered
DDD	17.50		
Theoretical chlorine	16.50		

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
DDT—DDD—PARATHION			
Blue Chemical Company, Inc.			
Thor Brand 5-5-1 DDT-TDE-EP Dust			
DDT	5.00		Passed
DDD	5.00		
Parathion	1.00	1.27	
Theoretical chlorine	4.72	4.62	
Thor Brand DDT-Parathion-TDE 1.5-5-1.5			
DDT	17.00		Passed
DDD	17.00		
Parathion	5.40	5.20	
Theoretical chlorine	16.03	16.58	
DDT	17.00		Passed
DDD	17.00		
Parathion	5.40	5.81	
Theoretical chlorine	16.03	15.92	
DDT	17.00		Excessive Active Ingredient
DDD	17.00		
Parathion	5.40	7.09	
Theoretical chlorine	16.03	15.64	
Thor Brand Three Way Insect Spray 1.5-1.5-3			
DDT	17.58		Passed
DDD	17.58		
Parathion	3.51	3.64	
Theoretical chlorine	16.58	16.13	
DDT	17.58		Passed
DDD	17.58		
Parathion	3.51	3.97	
Theoretical chlorine	16.58	16.56	
Cape Fear Chemicals, Inc.			
Tiger Brand 3 Way 1-5-5 Tobacco Dust			
DDT	5.00		Passed
DDD	5.00		
Parathion	1.00	0.92	
Theoretical chlorine	4.72	4.91	
DDT	5.00		Passed
DDD	5.00		
Parathion	1.00	0.92	
Theoretical chlorine	4.72	4.67	
Tiger Brand 3 Way Knock-Out Tobacco Spray			
DDT	12.50		Passed
DDD	12.50		
Parathion	3.92	4.34	
Theoretical chlorine	11.79	12.45	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
DDT	12.50		Passed
DDD	12.50		
Parathion	3.92	3.80	
Theoretical chlorine	11.79	12.37	
DDT	12.50		Passed
DDD	12.50		
Parathion	3.92	3.62	
Theoretical chlorine	11.79	12.21	
Tiger Brand 3 Way Death Blow Tobacco Spray			
DDT	17.13		Passed
DDD	17.13		
Parathion	5.80	6.21	
Theoretical chlorine	16.16	15.96	
Carolina Chemical Corp.			
5-5-1 Hornworm Dust			
DDT	5.00		Passed
DDD	5.00		
Parathion	1.00	0.94	
Theoretical chlorine	4.72	5.40	
DDT	5.00		Deficient
DDD	5.00		
Parathion	1.00	0.59	
Theoretical chlorine	4.72	4.40	
Super Tobacco King Emulsion Concentrate			
DDT	17.13		Passed
DDD	17.13		
Parathion	5.80	5.75	
Theoretical chlorine	16.16	15.52	
DDT	17.13		Passed
DDD	17.13		
Parathion	5.80	5.58	
Theoretical chlorine	16.16	16.51	
DDT	17.13		Passed
DDD	17.13		
Parathion	5.80	5.87	
Theoretical chlorine	16.16	15.89	
DDT	17.13		Deficient
DDD	17.13		
Parathion	5.80	2.30	
Theoretical chlorine	16.16	16.03	
DDT	17.13		Deficient
DDD	17.13		
Parathion	5.80	5.39	
Theoretical chlorine	16.16	16.39	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Carter Insecticide and Chemical Co.			
Carter Carolina Brand 3-Way Tobacco Spray			
DDT	12.50		Passed
DDD	24.50		
Parathion	6.00	5.66	
Theoretical chlorine	17.11	16.47	
DDT	12.50		Deficient
DDD	24.50		
Parathion	6.00	5.98	
Theoretical chlorine	17.11	15.97	
Coastal Chemical Corp.			
Coastal Super Knox-Out Tobacco Spray			
DDT	17.20		Passed
DDD	17.20		
Parathion	5.80	5.79	
Theoretical chlorine	16.22	16.41	
DDT	17.20		Passed
DDD	17.20		
Parathion	5.80	5.85	
Theoretical chlorine	16.22	16.40	
Daly-Herring Co.			
Bacco 5-5-1 Dust			
DDT	5.00		Passed
DDD	5.00		
Parathion	1.00	0.88	
Theoretical chlorine	4.72	5.22	
DDT	5.00		Passed
DDD	5.00		
Parathion	1.00	1.02	
Theoretical chlorine	4.72	4.75	
DDT	5.00		Passed
DDD	5.00		
Parathion	1.00	0.98	
Theoretical chlorine	4.72	4.75	
DDT	5.00		Passed
DDD	5.00		
Parathion	1.00	1.02	
Theoretical chlorine	4.72	4.88	
Big Bad John			
DDT	17.04		Passed
DDD	17.04		
Parathion	11.53	11.22	
Theoretical chlorine	16.07	17.20	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
DDT	17.04		Passed
DDD	17.04		
Parathion	11.53	10.83	
Theoretical chlorine	16.07	16.07	
Bacco Insect Spray Emulsifiable Concentrate			
DDT	17.39		Passed
DDD	17.39		
Parathion	5.89	5.98	
Theoretical chlorine	16.40	16.30	
Bacco Insect Spray Emulsifiable Concentrate			
DDT	17.63		Deficient
DDD	17.63		
Parathion	7.05	6.40	
Theoretical chlorine	16.63	16.64	
DDT	17.63		Deficient
DDD	17.63		
Parathion	7.05	6.60	
Theoretical chlorine	16.63	16.55	
E-Z Flo Chemical Co.			
E-Z Flo Tobacco Dust 5-5-1			
DDT	5.00		Passed
DDD	5.00		
Parathion	1.00	1.11	
Theoretical chlorine	4.72	4.65	
DDT	5.00		Passed
DDD	5.00		
Parathion	1.00	1.03	
Theoretical chlorine	4.72	4.76	
FCX, Inc.			
FCX Tobacco Bug Blaster "Plus"			
DDT	11.80		Passed
DDD	23.50		
Parathion	5.90	6.27	
Theoretical chlorine	16.31	15.88	
DDT	11.80		Passed
DDD	23.50		
Parathion	5.90	6.58	
Theoretical chlorine	16.31	16.10	
W. R. Grace and Co.			
Maxwell Insecticides 5-5-1 Tobacco Dust			
DDT	5.00		Passed
DDD	5.00		
Parathion	1.00	0.94	
Theoretical chlorine	4.72	4.80	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Maxwell Insecticides Tobacco Spray No. 3			
DDT	17.50		Passed
DDD	17.50		
Parathion	6.00	5.66	
Theoretical chlorine	16.50	16.54	
DDT	17.50		Passed
DDD	17.50		
Parathion	6.00	6.25	
Theoretical chlorine	16.50	16.11	
DDT	17.50		Passed
DDD	17.50		
Parathion	6.00	5.71	
Theoretical chlorine	16.50	16.50	
DDT	17.50		Passed
DDD	17.50		
Parathion	6.00	5.84	
Theoretical chlorine	16.50	16.81	
DDT	17.50		Passed
DDD	17.50		
Parathion	6.00	5.68	
Theoretical chlorine	16.50	16.61	
DDT	17.50		Passed
DDD	17.50		
Parathion	6.00	5.68	
Theoretical chlorine	16.50	16.40	
GurMiCo Chemicals, Inc.			
GurMiCo Tobacco Rid			
DDT	18.70		Passed
DDD	18.70		
Parathion	3.70	3.87	
Theoretical chlorine	17.64	16.84	
DDT	18.70		Passed
DDD	18.70		
Parathion	3.70	4.01	
Theoretical chlorine	17.64	17.59	
DDT	18.70		Excessive Active Ingredient
DDD	18.70		
Parathion	3.70	8.63	
Theoretical chlorine	17.64	16.69	
Kaiser Agricultural Chemicals			
Kaiser 3 Way Tobacco Dust			
DDT	5.00		Passed
DDD	5.00		
Parathion	1.00	0.95	
Theoretical chlorine	4.72	4.53	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Kaiser 3 Way Spray			
DDT	12.50		Excessive Active Ingredient
DDD	24.50		
Parathion	6.00	7.09	
Theoretical chlorine	17.11	16.76	
W. R. Peele Company, Inc.			
5-5-1 Tobacco Dust DDT-TDE-Parathion			
DDT	5.00		Passed
DDD	5.00		
Parathion	1.00	0.90	
Theoretical chlorine	4.72	4.39	
DDT	5.00		Passed
DDD	5.00		
Parathion	1.00	0.90	
Theoretical chlorine	4.72	4.95	
Super X Tobacco Spray			
DDT	17.13		Passed
DDD	17.13		
Parathion	5.80	5.45	
Theoretical chlorine	16.16	16.81	
DDT	17.13		Passed
DDD	17.13		
Parathion	5.80	5.56	
Theoretical chlorine	16.16	16.63	
DDT	17.13		Passed
DDD	17.13		
Parathion	5.80	6.00	
Theoretical chlorine	16.16	16.23	
DDT	17.13		Passed
DDD	17.13		
Parathion	5.80	5.96	
Theoretical chlorine	16.16	16.54	
DDT	17.13		Passed
DDD	17.13		
Parathion	5.80	5.56	
Theoretical chlorine	16.16	15.98	
DDT	17.13		Passed
DDD	17.13		
Parathion	5.80	5.60	
Theoretical chlorine	16.16	15.36	
Planters Chemical Co.			
Planters 3 Way Tobacco Dust			
DDT	5.00		Deficient
DDD	5.00		
Parathion	1.00	0.92	
Theoretical chlorine	4.72	4.30	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Smith-Douglass			
Division of Borden Chemical, Borden Inc.			
Tobacco Dust			
DDT	5.00		Passed
DDD	5.00		
Parathion	1.00	0.85	
Theoretical chlorine	4.72	5.10	
DDT	5.00		Passed
DDD	5.00		
Parathion	1.00	0.88	
Theoretical chlorine	4.72	4.68	
DDT	5.00		Passed
DDD	5.00		
Parathion	1.00	1.06	
Theoretical chlorine	4.72	4.67	
Voo-Doo			
DDT	17.13		Passed
DDD	17.13		
Parathion	5.80	5.58	
Theoretical chlorine	16.16	16.42	
DDT	17.13		Passed
DDD	17.13		
Parathion	5.80	5.77	
Theoretical chlorine	16.16	16.20	
DDT	17.13		Passed
DDD	17.13		
Parathion	5.80	5.83	
Theoretical chlorine	16.16	16.74	
DDT	17.13		Passed
DDD	17.13		
Parathion	5.80	5.66	
Theoretical chlorine	16.16	16.73	
DDT	17.13		Deficient
DDD	17.13		
Parathion	5.80	5.14	
Theoretical chlorine	16.16	15.58	
Southern Agricultural Chemicals, Inc.			
Royal Brand Super Tobacco Spray			
DDT	17.50		Not Registered
DDD	17.50		
Parathion	6.00	5.87	
Theoretical chlorine	16.50	16.47	
Stauffer Chemical Co.			
DDT-Parathion-TDE 1.5-5-1.5E			
DDT	17.25		Passed
DDD	17.25		
Parathion	5.50	6.21	
Theoretical chlorine	16.27	17.26	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
DDT—N,N-DIBUTYL-P- CHLOROBENZENESULFONAMIDE —PYRETHRINS—SULFOXIDE			
Colonial Products, Inc.			
Colonial-22 Gard, Pressurized Space Spray			
DDT	3.75		Deficient Not Registered
N,N-dibutyl-p-chlorobenzene- sulfonamide	0.75		
Pyrethrins	0.02	0.028	
Sulfoxide	0.16	0.20	
Theoretical chlorine	1.96	1.61	
DDT—DITHANE M-45			
Smith-Douglas Division of Borden Chemical, Borden Inc.			
Dithane M-45—DDT 5-5 Dust			
DDT	5.00	5.08	Deficient Misbranded
Dithane M-45	5.00	4.01	
DDT—ENDOSULFAN—PARATHION			
Niagara Chemical Div. FMC Corp.			
Prime Tobacco Dust			
DDT	5.00		Passed
Endosulfan	1.00		
Parathion	1.00	1.02	
Theoretical chlorine	3.02	3.38	
Prime Tobacco Spray			
DDT	23.00		Passed
Endosulfan	5.70		
Parathion	5.70	5.97	
Theoretical chlorine	14.48	15.42	
DDT—FERBAM			
Cape Fear Chemicals, Inc.			
Tiger Brand 15% Fermate 3% DDT Dust			
DDT	3.00	3.01	Passed
Ferbam	11.40	11.35	
Carolina Chemical Corp.			
Fermate DDT Dust			
DDT	3.00	3.04	Passed
Ferbam	11.40	12.24	
DDT	3.00	4.39	Deficient
Ferbam	11.40	9.78	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Coastal Chemical Corp.			
15% Fermate 3% DDT Dust			
DDT	3.00	3.83	Passed
Ferbam	11.40	10.92	
DDT	3.00	3.22	Passed
Ferbam	11.40	11.18	
DDT	3.00	3.12	Passed
Ferbam	11.40	11.39	
Daly-Herring Co.			
"D-H" 15% Fermate 3% DDT Dust			
DDT	3.00	3.09	Passed
Ferbam	11.40	11.54	
FCX, Inc.			
FCX Ferbam No. 10 + 5% DDT Dust			
DDT	5.00	5.15	Passed
Ferbam	11.40	11.46	
DDT	5.00	5.39	Passed
Ferbam	11.40	12.80	
DDT	5.00	4.77	Passed
Ferbam	11.40	11.06	
DDT	5.00	5.05	Passed
Ferbam	11.40	11.09	
W. R. Grace Co.			
Maxwell Insecticides—Ferbam-DDT Dust			
DDT	3.00	2.94	Passed
Ferbam	11.40	11.29	
DDT	3.00	3.46	Passed
Ferbam	11.40	11.10	
DDT	3.00	3.11	Passed
Ferbam	11.40	11.29	
DDT	3.00	3.22	Passed
Ferbam	11.40	12.69	
DDT	3.00	2.77	Passed
Ferbam	11.40	11.27	
DDT	3.00	3.29	Passed
Ferbam	11.40	11.43	
DDT	3.00	4.20	Excessive Active Ingredient
Ferbam	11.40	12.83	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Kaiser Agricultural Chemicals			
Kaiser Fermate—DDT Plant Bed Dust			
DDT	3.00	3.45	Passed
Ferbam	11.40	10.79	
W. R. Peele Company, Inc.			
Pelco Ferbam DDT Dust			
DDT	3.00	2.31	Deficient
Ferbam	11.40	10.39	
Planters Chemical Co.			
Planters Fermate—DDT Plant Bed Dust			
DDT	3.00	1.95	Deficient
Ferbam	11.40	11.30	
Royster Co.			
"515" Contains 5% DDT and 15% Ferbam			
DDT	5.00	5.42	Passed
Ferbam	11.40	10.70	
DDT	5.00	5.22	Passed
Ferbam	11.40	11.42	
Smith-Douglass Division of Borden Chemical, Borden Inc.			
Fermate-DDT Plant Bed Dust			
DDT	3.00	3.30	Passed
Ferbam	11.40	11.67	
Southern Agricultural Chemicals, Inc.			
Royal Brand Ferbam DDT			
DDT	3.00	2.75	Passed
Ferbam	11.40	10.82	
DDT—FERBAM—SULFUR			
FCX, Inc.			
FCX Rose Dust			
DDT	5.00	5.26	Passed
Ferbam	7.60	7.71	
Sulfur	75.00	78.65	
DDT	5.00	5.05	Deficient
Ferbam	7.60	7.43	
Sulfur	75.00	65.30	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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DDT	5.00	5.74	Deficient
Ferbam	7.60	7.32	
Sulfur	75.00	65.33	

DDT—MALATHION**Rigo Manufacturing Co.****Kill-Ko Pecan & Fruit Tree Spray**

DDT	11.30	12.67	Passed
Malathion	14.50	15.88	

DDT—MANEB**Coastal Chemical Corp.****Dithane M-22 Plus DDT**

DDT	3.00	3.06	Passed
Maneb	1.40	1.39	

Daly-Herring Co.**Dee Aitch Dithane M-22 DDT**

DDT	3.00	2.92	Passed
Maneb	1.40	1.20	

Southern Agricultural Insecticides, Inc.**SA-50 Brand Manzate Dust with 5% DDT**

DDT	5.00	5.22	Passed
Maneb	5.00	5.54	

DDT—METHYL PARATHION**Royster Chemical Co.****Division of F. S. Royster Guano Co.****"1025" Contains 10% DDT and 2.5% Methyl Parathion**

DDT	10.00	10.54	Passed
Methyl parathion	2.50	2.94	

Stauffer Chemical Co.**DDT-Methyl Parathion 10-2.5 Dust**

DDT	10.00	10.07	Deficient
Methyl parathion	2.50	2.12	

Woolfolk Chemical Works, Ltd.**2½-5 Methyl Parathion-DDT Cotton Dust**

DDT	5.00	5.25	Deficient
Methyl parathion	2.50	2.16	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
DDT—METHYL TRITHION			
Carolina Chemicals, Inc.			
Flight Brand DDT-Methyl Trithion 7-3 Dust			
DDT	7.00		Passed
Methyl trithion (Including related compounds)	3.00		
Theoretical chlorine	3.84	3.93	
E-Z Flo Chemical Co.			
E-Z Flo Megathon 3-7 Dust			
DDT	7.00		Passed
Methyl trithion (Including related compounds)	3.00		
Theoretical chlorine	3.84	4.31	
E-Z Flo Megathon			
DDT	23.30		Passed
Methyl trithion (Including related compounds)	11.60		
Theoretical chlorine	12.81	13.00	
Smith-Douglass Division of Borden Chemical, Borden Inc.			
Methyl Trithion-DDT 3-7 Dust			
DDT	7.00		Passed
Methyl trithion (Including related compounds)	3.00		
Theoretical chlorine	3.84	3.89	
Stauffer Chemical Co.			
Methyl Trithion-DDT 3-7 Dust			
DDT	7.00		Passed
Methyl trithion (Including related compounds)	3.00		
Theoretical chlorine	3.84	4.00	
DDT	7.00		Passed
Methyl trithion (Including related compounds)	3.00		
Theoretical chlorine	3.84	3.82	
Woolfolk Chemical Works, Ltd.			
Security Tri-Me 2½-10 Cotton Dust			
DDT	10.00		Passed
Methyl trithion (Including related compounds)	2.50		
Theoretical chlorine	5.28	5.13	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
DDT—PARATHION			
E-Z Flo Chemical Co.			
E-Z Flo Bean Buster			
DDT	33.86	33.97	Not Registered
Parathion	11.31	10.78	
Kerr-McGee Chemical Corp.			
Kerr-McGee 1-10 Parathion DDT Dust			
DDT	10.00	9.50	Passed
Parathion	1.00	1.11	
Niagara Chemical Div. FMC Corp.			
Niatox 7.5 Phos Kil 1.5 Dust			
DDT	7.50	7.80	Passed
Parathion	1.50	1.44	
DDT	7.50	7.66	Passed
Parathion	1.50	1.71	
DDT	7.50	8.13	Passed
Parathion	1.50	1.48	
F. S. Royster Guano Co.			
"101D" Contains 10% DDT & 1% Ethyl Parathion			
DDT	10.00	9.54	Not Registered
Parathion	1.00	1.02	
Southern Agricultural Chemicals, Inc.			
Royal Brand 10% DDT Dust with 1% Parathion			
DDT	10.00	9.83	Not Registered
Parathion	1.00	1.05	
DDT—PARATHION—SULFUR			
Southern Agricultural Insecticides, Inc.			
SA-50 Brand 1½ % Parathion Dust With 5% DDT—25% Sulfur			
DDT	5.00	5.08	Passed
Parathion	1.50	1.42	
Sulfur	25.00	26.15	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
DDT—PIPERONYL BUTOXIDE— PYRETHRINS			
Cumberland Manufacturing Co.			
Swan Brand Insect Spray			
DDT	5.00	5.01	Not Registered
Piperonyl butoxide	0.113	0.098	
Pyrethrins	0.045	0.026	
Rigo Manufacturing Co.			
Kill-Ko Super Strength Plus 5% DDT			
DDT	5.00	4.67	Passed
Piperonyl butoxide	0.30	0.34	
Pyrethrins	0.03	0.05	
DDT—PIPERONYL CYCLONENE— PYRETHRINS			
The Sherwin-Williams Co.			
Pestroy 10% DDT			
DDT	10.00	8.75	Deficient
Piperonyl cyclonene	0.625	Present	
Pyrethrins	0.05	0.03	
DDT—ZINEB			
Blue Chemical Company, Inc.			
Thor Brand Dithane-DDT 6.5-3			
DDT	3.00	3.40	Passed
Zineb	6.50	6.22	
DDT	3.00	3.29	Not Registered
Zineb	6.50	7.18	
DDT	3.00	3.26	Not Registered
Zineb	6.50	6.68	
Carolina Chemical Corp.			
10% Dithane Z-78 Plus 3% DDT Dust			
DDT	3.00	1.99	Deficient
Zineb	6.50	4.79	
Daly-Herring Co.			
Dee Aitch 3.9% Zineb—10% DDT Tomato-Potato Dust			
DDT	10.00	11.15	Not Registered
Zineb	3.90	3.69	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
W. R. Grace and Co.			
Maxwell Insecticides Dithane-DDT Dust			
DDT	3.00	3.10	Passed
Zineb	6.50	6.41	
Kaiser Agricultural Chemicals			
Kaiser Zineb Dust with DDT			
DDT	5.90	5.95	Excessive Active Ingredient
Zineb	3.90	6.16	
Moloney Fertilizer Co.			
Lightning Brand 10% Dithane 10% DDT			
DDT	10.00	9.13	Deficient Not Registered
Zineb	6.50	4.67	
Niagara Chemical Div. FMC Corp.			
Zineb 6.5 Niatox 5 Dust			
DDT	5.00	4.69	Passed
Zineb	6.50	6.39	
Royster Chemical Co.			
"565"—5% DDT & 6.5% Zineb Dust			
DDT	5.00	4.77	Passed
Zineb	6.50	6.12	
Smith-Douglass Division of Borden Chemical, Borden Inc.			
Zineb-DDT 3.9-5 Dust			
DDT	5.00	5.51	Passed
Zineb	3.90	4.41	
DDVP			
Dixi Chem of Greenville, Inc.			
Di-Sect DDVP Fly Bait			
DDVP	0.46	0.46	Passed
F and W Enterprises, Inc.			
Flyco Brand Wet or Dry Fly Bait			
DDVP	0.50	0.37	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
H and M Chemical Company, Inc.			
Mo-Di Vapona Fly Bait			
DDVP (Including related compounds)	0.50	0.44	Passed
Rigo Manufacturing Co.			
Kill-Ko Fly Cake			
DDVP	0.25	0.29	Not Registered
Kill-Ko Fly Bait			
DDVP	0.50	0.48	Passed
Stephenson Chemical Company, Inc.			
Stephenson Chemicals Fly Bait			
DDVP	0.50	0.40	Passed
Vaporette Chemical Corp.			
Vaporette Vapor Action Insect Strip			
DDVP (Including related compounds)	20.00	20.41	Passed
DDVP—BAYGON			
Boyle-Midway, Inc.			
Black Flag Ant and Roach Bug Killer with Baygon & DDVP			
DDVP (Including related compounds)	0.20	0.23	Passed
Baygon	0.50	0.63	
DDVP—BETA-BUTOXY BETA'-THIOCYANO DIETHYL ETHER			
Electro-Line Products Division Flo-Tronics, Inc.			
"Electra Thermal" Insecticides			
DDVP (Including related compounds)	0.50	0.56	Not Registered
Beta-butoxy beta'-thiocyanodiethyl ether	1.59	1.77	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
DDVP—CIODRIN			
United Co-Operatives, Inc.			
Unico Stock Fly Spray			
DDVP (Including related compounds)	0.25		Passed
Ciodrin	1.00		
Theoretical phosphorous	0.13	0.15	
DDVP—CIODRIN—PINE OIL			
Shell Chemical Co.			
Division of Shell Oil Co.			
Ciovap Insecticide Ready-to-Use Animal Spray Solution			
DDVP (Including related compounds)	0.25		Passed
Ciodrin	1.00		
Pine oil	2.00	Present	
Theoretical phosphorous	0.13	0.10	
DDVP—DICAPTHON—PERTHANE			
Pfizer Agricultural			
Division of Chas. Pfizer and Co.			
Pfizer Fly Bait Sugar Base			
DDVP	0.108		Not Registered
Dicaphon	0.20		
Perthane	0.20		
Theoretical chlorine	0.10	0.12	
DDVP—DIELDRIN			
Allied Drug Products Co.			
Allied Bug Killer			
DDVP (Including related compounds)	0.50	0.54	Not Registered
Dieldrin	0.30		
Theoretical chlorine	0.33	0.43	
Hot Shot Quality Products			
Hot Shot Roach & Ant Bug Killer			
DDVP (Including related compounds)	0.50		Passed
Dieldrin	0.50		
Theoretical chlorine	0.44	0.38	
DDVP (Including related compounds)	0.50		Passed
Dieldrin	0.50		
Theoretical chlorine	0.44	0.43	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Rigo Chemical Co.			
Kill-Ko Roach & Ant Bomb			
DDVP (Including related compounds)	0.50		Passed
Dieldrin	0.30		
Theoretical chlorine	0.33	0.36	
DDVP-DIELDRIN-ISOBORNYL THIOCYANOACETATE—PIPERONYL BUTOXIDE—PYRETHRINS			
TNT Chemicals, Inc.			
TNT Insect Killer			
DDVP (Including related compounds)	0.40		Passed
Dieldrin	0.50		
Isobornyl thiocyanacetate (Including related compounds)	0.30	0.47	
Piperonyl butoxide	0.075	0.066	
Pyrethrins	0.025	0.024	
Theoretical chlorine	0.41	0.42	
TNT Roach and Ant Killer			
DDVP	0.40		Passed
Dieldrin	0.50		
Isobornyl thiocyanacetate (Including related compounds)	0.30	0.35	
Piperonyl butoxide	0.075	0.065	
Pyrethrins	0.025	0.026	
Theoretical chlorine	0.41	0.42	
DDVP—DIPTEREX			
Ralston Purina Co.			
Purina Fly Checker			
DDVP (Including related compounds)	0.25		Passed
Dipterex	0.25		
Theoretical phosphorous	0.07	0.09	
DDVP-ISOBORNYL THIOCYANOACETATE—PIPERONYL BUTOXIDE—PYRETHRINS			
TNT Chemicals, Inc.			
TNT Insect Bomb			
DDVP	0.50	0.51	Passed
Isobornyl thiocyanacetate (Including related compounds)	0.30	0.50	
Piperonyl butoxide	0.10	0.14	
Pyrethrins	0.035	0.066	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
DDVP	0.50	0.51	Passed
Isobornyl thiocanoacetate (Including related compounds)	0.30	0.27	
Piperonyl butoxide	0.10	0.09	
Pyrethrins	0.035	0.05	

**DDVP—PIPERONYL BUTOXIDE—
PYRETHRINS**

Shell Oil Co.

Shelltox Aerosol Insecticide Contains Vapona

DDVP	0.50	0.50	Passed
Piperonyl butoxide	0.75	0.63	
Pyrethrins	0.30	0.19	

DEMETON

Chemagro Corp.

Systox Spray Concentrate Systemic
Insecticide

Demeton (Including related compounds)	28.50	29.23	Passed
do	28.50	27.48	Passed

DIAZINON

Geigy Chemical Corp.

Geigy Diazinon 14G

Diazinon	14.30	14.76	Passed
do	14.30	13.59	Passed

**4-(2, 4-DICHLOROPHENOXY)
BUTYRIC ACID**

Amchem Products, Inc.

Butyrac 175

Dimethylamine salt of 4-(2, 4- dichlorophenoxy) butyric acid .	23.00	22.16	Passed
4-(2, 4-Dichlorophenoxy) butyric acid equivalent	19.50	18.79	

Chipman Chemical Company, Inc.

Butoxone SB

Dimethylamine salt of 4-(2, 4- dichlorophenoxy) butyric acid .	23.00	22.34	Passed
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Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
DIELDRIN			
FCX, Inc.			
FCX Lawn Bug Blaster-G			
Dieldrin	3.50	4.80	Excessive Active Ingredients
Hopkins Agricultural Chemical Co.			
Hopkins Green Turf Insecticides			
Dieldrin	5.00	5.33	Passed
DIELDRIN—METALDEHYDE			
Sears, Roebuck and Company			
Sears Snail and Slug Bait			
Dieldrin	0.50	0.61	Passed
Metaldehyde	3.00	2.97	
N, N-DIETHYL-META-TOLUAMIDE			
Real-Kill Products			
Division of Cook Chemical Co.			
Real-Kill Insect Repellent			
N, N-Diethyl-meta-toluamide (Including related compounds)	15.00	15.02	Passed
do	15.00	16.50	Passed
N, N-DIETHYL-META-TOLUAMIDE— DI-N-PROPYL ISOCINCHOMERON- ATE—N-OCTYL BICYCLOHEPTENE DICARBOXIMIDE			
The Cummer Co.			
Division of the d-Con Company, Inc.			
Energine Stay-Away Insect Repellent Moist Towelettes			
N, N-Diethyl-meta-toluamide (Including related compounds).	12.33		Not Registered
Di-N-propyl isocinchomeronate .	0.98		
N-Octyl bicycloheptene dicarboximide	3.52		1.09
Theoretical nitrogen	1.14		

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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Smith-Douglass
Division of Borden Chemical, Borden Inc.

Nutro Insect Repellent.

N, N-Diethyl-meta-toluamide (Including related compounds)	7.00		Passed
Di-N-propyl isocinchomeronate	0.50		
N-Octyl bicycloheptene dicarboximide	2.00		
Theoretical nitrogen	0.64	0.61	

DIMETHOATE

American Cyanamid Co.
Agricultural Div.

Cygon 267 Systemic Insecticide

Dimethoate	30.50	34.34	Passed
do	30.50	34.68	Passed

DIPTEREX

California Chemical Co.

Ortho Fly Killer Dry Bait

Dipterex	1.00	1.16	Passed
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Chemagro Corp.

Dipterex Sugar Bait

Dipterex	1.00	1.06	Not Registered
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Cossman and Levine, Inc.

Cossman Fly Cake w/Dipterex

Dipterex	1.00	0.94	Passed
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ENDOSULFAN

Miller Chemical and Fertilizer Corp.

Miller Thiodan #2 E. C.

Endosulfan	23.70	23.83	Passed
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Southern Agricultural Insecticides, Inc.

SA-50 Brand 4% Thiodan Dust

Endosulfan	4.00	4.21	Passed
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Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
ETHION			
Niagara Chemical Div. FMC Corp.			
Ethion Superior 70 Oil			
Ethion	2.00	1.90	Passed
FATTY ALCOHOLS			
The Proctor and Gamble Co.			
Off-Shoot-T Tobacco Sucker Control Agent 148			
Fatty alcohols	63.00	66.30	Passed
do	63.00	64.16	Passed
FERBAM			
Cape Fear Chemicals, Inc.			
Tiger Brand 15% Fermate Dust			
Ferbam	11.40	11.55	Passed
Carolina Chemical Corp.			
Fermate Dust			
Ferbam	11.40	10.79	Passed
do	11.40	10.88	Passed
Coastal Chemical Corp.			
15% Fermate Dust			
Ferbam	11.40	10.93	Passed
do	11.40	10.71	Passed
FCX, Inc.			
FCX Ferbam No. 10 Dust			
Ferbam	11.40	11.03	Passed
W. R. Grace and Co.			
Maxwell Insecticides 15% Fermate Dust			
Ferbam	11.40	11.36	Passed
W. R. Peele Company, Inc.			
Pelco Ferbam Dust			
Ferbam	11.40	11.25	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Planters Chemical Co.			
Division of Thompson-Hayward Chemical Co.			
Planters Fermate Dust			
Ferbam	11.40	11.30	Passed
Planters Blue Mold Dust			
Ferbam	11.40	10.48	Deficient Not Registered
Smith-Douglass			
Division of Borden Chemical, Borden Inc.			
Fermate Dust			
Ferbam	11.40	12.18	Passed
FLUORINE COMPOUNDS			
AMMONIUM FLUOSILICATES— PYRETHRINS			
Penguin-Down Co.			
Penguin-Down Dri-Die			
Ammonium fluosilicates	4.408	4.89	Passed
Pyrethrins	0.157	0.12	
SODIUM FLUORIDE			
Fairfax Biological Laboratory			
Roach Doom Kills Roaches			
Sodium fluoride	90.00	90.43	Passed
SODIUM FLUORIDE—PIPERONYL BUTOXIDE—PYRETHRINS			
Allied Drug Products Co.			
Allied Ant—Roaches and Waterbug Killer			
Sodium fluoride	58.00	59.78	Passed
Piperonyl butoxide	1.50	1.36	
Pyrethrins	0.15	0.22	
Brown Manufacturing Co.			
Rough on Bugs			
Sodium fluoride	58.00	57.90	Passed
Piperonyl butoxide	1.50	1.38	
Pyrethrins	0.15	0.21	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Dixi Chem Co.			
Di-Sect Roach & Waterbug Powder			
Sodium fluoride	58.00	61.61	Deficient
Piperonyl butoxide	1.50	0.62	
Pyrethrins	0.15	0.09	
Rigo Manufacturing Co.			
Kill-Ko Roach Powder			
Sodium fluoride	58.00	58.28	Passed
Piperonyl butoxide	1.50	1.41	
Pyrethrins	0.15	0.09	
SODIUM FLUORIDE—PYRETHRINS			
Master Products Co.			
Roach Buster			
Sodium fluoride	38.80	38.35	Passed
Pyrethrins	0.35	0.32	
SODIUM FLUORIDE—PYRETHRINS— SODIUM FLUOSILICATE			
Pearson and Co.			
Pearson's Roach Poison			
Sodium fluoride	59.00	0.17	Passed
Pyrethrins	0.18		
Sodium fluosilicate	1.00	27.93	
Theoretical fluorine	27.30		
FOLPET			
Chevron Chemical Co.			
Ortho Phaltan 50 Wettable			
Folpet	50.00	48.76	Passed
Ortho Phaltan Rose & Garden Fungicide			
Folpet	75.00	75.48	Passed
HYDROGEN CHLORIDE			
Sno-Bol Co.			
Division of A. E. Staley Manufacturing Co.			
Sno-Bol Liquid Toilet Bowl Cleaner			
Hydrogen chloride	9.00	8.90	Not Registered
do	9.00	9.60	Not Registered

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
IODINE COMPOUNDS			
NONYLPHENOXYPOLYETHOXYETHANOL- IODINE COMPLEX— PHOSPHORIC ACID			
Anchor Serum Co.			
Anchor Disinfectol			
Nonylphenoxypolyethoxyethanol— iodine complex	13.76		Not Registered
Phosphoric acid	5.95	5.97	
Titrateable iodine	1.75	1.89	
Whitmoyer Laboratories, Inc.			
Whitmoyer 10 FEC—14			
Nonylphenoxypolyethoxyethanol— iodine complex	14.00		Not Registered
Phosphoric acid	2.00	1.97	
Titrateable iodine	1.75	1.98	
NONYLPHENOXYPOLYETHOXYETHANOL -IODINE COMPLEX— POLYETHOXYPOLYPROXYETHANOL- IODINE COMPLEX			
West Chemical Products, Inc.			
Wescodyne Hospital Use			
Nonylphenoxypolyethoxyethanol— iodine complex	8.74		Passed
Polyethoxypolypropoxyethanol— iodine complex	9.10		
Titrateable iodine	1.60	1.75	
KEPONE			
Boyle-Midway, Inc.			
Antrol Ant Traps			
Kepone	0.125	0.22	Passed
Echols Manufacturing Co.			
Echols (KINGTEX) Roach, Ant & Waterbug Killer			
Kepone	0.125	0.14	Passed
do	0.125	0.13	Passed
James W. King Co.			
King-Kong Roach & Ant Killer			
Kepone	0.125	0.16	Not Registered

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
O. E. Linck Co.			
Division of Walco-Linck Corp.			
Tat Roach Traps			
Kepone	0.125	0.24	Passed
MALATHION			
"AG" Supply Co.			
A. G. Malathion			
Malathion	55.00	58.88	Not Registered
Blue Chemical Company, Inc.			
Thor Brand 5 Lb. Malathion Emulsion			
Malathion	55.00	59.50	Passed
Cape Fear Chemicals, Inc.			
Tiger Brand Two Way Vegetable Dust			
Malathion	2.00	1.80	Passed
Tiger Brand 4% Malathion Dust			
Malathion	4.00	4.06	Passed
Carolina Chemical Corp.			
Malathion 4% Dust			
Malathion	4.00	3.77	Passed
Flight Brand 5% Malathion Dust			
Malathion	5.00	4.48	Deficient
Chevron Chemical Co.			
Ortho Malathion 5 Emulsive XB			
Malathion	55.00	58.12	Passed
Coastal Chemical Corp.			
Coastal CCC Cythion			
Malathion	57.00	59.82	Not Registered
Daly-Herring Co.			
D-H 4% Malathion Dust			
Malathion	4.00	4.22	Passed
do	4.00	3.72	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
D-H 57% Malathion			
Malathion	57.00	59.45	Not Registered
E-Z Flo Chemical Co.			
E-Z Flo 5% Malathion Dust			
Malathion	5.00	4.68	Passed
do	5.00	5.60	Passed
E-Z Flo Malathion 5E			
Malathion	56.50	58.84	Passed
FCX, Inc.			
FCX 5% Cythion Dust			
Malathion	5.00	4.76	Passed
do	5.00	4.44	Deficient
FCX 5% Malathion Dust			
Malathion	5.00	4.65	Passed
do	5.00	4.55	Deficient
do	5.00	4.45	Deficient
FCX Malathion-5 Emulsifiable Concentrate			
Malathion	54.80	59.97	Passed
Georgia-Pacific Corp.			
Mo-Di Malathion Dust			
Malathion	4.50	3.96	Deficient Not Registered
W. R. Grace and Co.			
Maxwell Insecticides 4% Malathion Dust			
Malathion	4.00	3.27	Deficient
Maxwell Malathion 55% Emulsion			
Malathion	55.00	61.00	Passed
Maxwell Insecticides Malathion 5 Emulsion			
Malathion	56.05	56.95	Passed
do	56.05	56.08	Passed
GurMiCo Chemicals, Inc.			
GurMiCo Malathion 4% Dust			
Malathion	4.00	4.26	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Hopkins Agricultural Chemical Co.			
Hopkins 4% Malathion Dust			
Malathion	4.00	3.13	Deficient
Kaiser Agricultural Chemicals			
Kaiser 4% Malathion Dust			
Malathion	4.00	3.70	Passed
Kaiser Malathion Emulsifiable Spray			
Malathion	57.00	58.81	Passed
Kerr-McGee Chemical Corp.			
Malathion Emulsible Concentrate			
Malathion	55.00	54.96	Not Registered
W. R. Peele Company, Inc.			
4% Malathion Dust			
Malathion	4.00	4.34	Passed
Malathion Emulsion E-5			
Malathion	55.00	59.84	Passed
Planters Chemical Co.			
Planters 4% Malathion Dust			
Malathion	4.00	4.16	Passed
do	4.00	4.16	Passed
Rigo Manufacturing Co.			
Kill-Ko 5% Cythion Dust			
Malathion	5.00	4.41	Deficient Not Registered
Kill-Ko 5% Malathion Dust			
Malathion	5.00	3.96	Deficient
Smith -Douglass Division of Borden Chemical, Borden Inc.			
Malathion 4% Dust			
Malathion	4.00	3.87	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Southern Agricultural Chemicals, Inc.			
Royal Brand Flea Dusting Powder			
Malathion	4.00	3.77	Not Registered
do	4.00	3.22	Deficient
			Not Registered
Southern Agricultural Insecticides, Inc.			
SA-50 Brand 4% Malathion Dust			
Malathion	4.00	2.78	Deficient
do	4.00	2.90	Deficient
Swift and Co. Agrichem Div.			
Swift's 5% Malathion Dust			
Malathion	5.00	3.64	Deficient
Whitmoyer Laboratories, Inc.			
Whitmoyer Malathion			
Malathion	57.00	59.76	Passed
Woolfolk Chemical Works Ltd.			
Security 5% Malathion Dust			
Malathion	5.00	5.05	Passed
Security Malathion 5-E Emulsifiable Liquid			
Malathion	56.10	60.96	Passed
MALATHION—CAPTAN— METHOXYCHLOR			
Thompson-Hayward Chemical Co.			
De-Pester Fruit Tree Spray			
Malathion	7.50	4.75	Deficient
Captan	15.00		Not Registered
Methoxychlor	15.00		
Theoretical chlorine	9.89	6.25	
MALATHION—CAPTAN— METHOXYCHLOR—SULFUR			
Dragon Chemical Corp.			
Dragon Fruit Tree Spray			
Malathion	6.00	5.87	Passed
Captan	6.00		
Methoxychlor	10.00		

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Sulfur	25.00	23.87	
Theoretical chlorine	5.18	5.39	
Malathion	6.00	5.99	Passed
Captan	6.00		
Methoxychlor	10.00		
Sulfur	25.00	25.52	
Theoretical chlorine	5.18	5.25	

Smith-Douglass**Division of Borden Chemical, Borden Inc.****Nutro Fruit Tree Spray**

Malathion	6.00	6.03	Passed
Captan	6.00		
Methoxychlor	10.00		
Sulfur	25.00	27.22	
Theoretical chlorine	5.68	5.41	

MALATHION—DDVP**Hot Shot Quality Products****Hot Shot Fly Bait**

Malathion	1.00		Passed
DDVP (Including related compounds)	0.50		
Theoretical phosphorous	0.16	0.18	
Malathion	1.00		Passed
DDVP (Including related compounds)	0.50		
Theoretical phosphorous	0.16	0.19	

MALATHION—DDVP—DIELDRIN**Woolfolk Chemical Works, Ltd.****Security Roach Kill**

Malathion	2.50		Passed
DDVP (Including related compounds)	0.50		
Dieldrin	0.25		
Theoretical chlorine	0.30	0.40	
Theoretical phosphorous	0.30	0.34	

**MALATHION—HEXACHLOROPHENE
—METHOXYCHLOR****Pet Chemicals, Inc.****Holiday Flea Stop for Cats**

Malathion	2.00	2.16	Passed
Hexachlorophene	1.00		
Methoxychlor	2.00		
Theoretical chlorine	1.13	1.46	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Malathion	2.00	2.05	Passed
Hexachlorophene	1.00		
Methoxychlor	2.00		
Theoretical chlorine	1.13	1.54	
MALATHION—METHOXYCHLOR			
FCX, Inc.			
FCX Bean Dust			
Malathion	3.00	2.22	Deficient
Methoxychlor	3.00	3.62	
Pfizer Agricultural Division of Chas. Pfizer and Co.			
Dairy Cattle Dust			
Malathion	4.00	4.04	Passed
Methoxychlor	5.00	5.59	
MALEIC HYDRAZIDE			
The Ansul Co.			
Sucker-Stuff Liquid Growth Retardant			
Diethanolamine salt of maleic hydrazide	58.00	58.76	Passed
Fairmount Chemical Company, Inc.			
De-Sprout			
Diethanolamine salt of maleic hydrazide	58.00	56.78	Passed
do	58.00	61.91	Passed
MANEB			
Aceto Chemical Co.			
Amazin			
Maneb	80.00	77.64	Passed
Southern Agriculture Insecticides, Inc.			
SA-50 Brand Manzate Dust			
Maneb	5.60	5.44	Passed
METALDEHYDE			
Boyle-Midway, Inc.			
Snarol Pellets			
Metaldehyde	3.30	3.25	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Swift and Co.			
Agricultural Chemical Div.			
Vigoro Snail & Slug Killer Pellets			
Metaldehyde	2.75	3.22	Passed
METHOXYCHLOR			
Allied Drug Products Co.			
Allied Dairy Cattle Dust			
Methoxychlor	10.00	11.65	Passed
E. I. du Pont de Nemours and Co.			
DuPont Marlate 2-MR Methoxychlor Insecticide			
Methoxychlor	24.00	25.80	Passed
Du Pont Dairy Cattle Insecticide			
Methoxychlor	50.00	48.97	Passed
Ralston Purina Co.			
Purina Cattle Dust			
Methoxychlor	10.00	10.39	Passed
METHOXYCHLOR—BETA-BUTOXY BETA'-THIOCYANO DIETHYL ETHER			
Douglas Chemical Co.			
Douglas "88" Improved Farm Bin Spray			
Methoxychlor	3.75	3.63	Passed
Beta-butoxy beta'-thiocyano diethyl ether	1.60	1.40	
Methoxychlor	3.75	3.02	Deficient
Beta-butoxy beta'-thiocyano diethyl ether	1.60	1.68	
Stephenson Chemical Company, Inc.			
Stephenson Chemicals Drop-Tox Bin Spray			
Methoxychlor	3.78	4.27	Passed
Beta-butoxy beta'-thiocyano diethyl ether	1.59	1.62	
Methoxychlor	3.78	3.07	Deficient
Beta-butoxy beta'-thiocyano diethyl ether	1.59	1.59	Not Registered

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
METHOXYCHLOR—PIPERONYL BUTOXIDE—PYRETHRINS			
Boyle-Midway, Inc.			
Black Flag Insect Spray			
Methoxychlor	0.75	0.86	Passed
Piperonyl butoxide	0.12	0.19	
Pyrethrins	0.10	0.05	
Gulf Oil Corp.			
Quick Action Gulf Spray			
Methoxychlor	0.75	0.92	Passed
Piperonyl butoxide	0.12	0.12	
Pyrethrins	0.10	0.10	
METHOXYCHLOR—ROTENONE			
William Cooper and Nephews, Inc.			
Liquid Shampoo (Beauty Treatment)			
Methoxychlor	0.50	0.56	Passed
Rotenone	0.10	Present	
MINERAL OIL			
Armour Agricultural Chemical Co.			
Armagard Superior Spray Oil No. 70			
Mineral oil	99.25	99.77	Passed
do	99.25	99.53	Passed
NAPHTHALENE			
A-M-R Chemical Company, Inc.			
AMR Moth Flakes			
Naphthalene	100.00	100.00	Not Registered
Crest Chemical Co.			
Crest Best Quality Naphthalene Moth Balls			
Naphthalene	100.00	97.35	Not Registered
Frank J. Curran Co.			
Curran Scram Moth Flake Crystals			
Naphthalene	100.00	97.67	Passed
Gift Sales Co.			
Chem-O Sparkle Moth Napthalene Balls			
Naphthalene	100.00	100.00	Not Registered

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
NEMAGON			
Stephenson Chemical Company, Inc.			
Stephenson Chemicals 10% Nemagon Granules			
Nemagon	10.00	8.10	Deficient Not Registered
Woolfolk Chemical Works, Ltd.			
Security 10% Granulated Nemagon			
Nemagon	10.00	8.27	Deficient
ORGANIC AMMONIUM CHLORIDES			
Boyle-Midway, Inc.			
Diaper Pure			
N-Alkyl dimethyl benzyl ammonium chlorides	0.60	Present	Passed
Clover Products			
Garb-Aire Spray-On Bacteriostatic Deodorizers			
N-Alkyl dimethyl benzyl ammonium chlorides	0.10	Present	Not Registered
do	0.10	Present	Not Registered
De Witt Chemical Co.			
Witt-O-Scent			
Methyl dodecylbenzyl trimethyl ammonium chloride	0.16		Passed
Methyl dodecylxylene bis trimethyl ammonium chloride .	0.04		
Quaternary ammonium compounds		Present	
A. E. Stanley Manufacturing Co.			
Diaper Sweet			
Methyldodecylbenzyl trimethyl ammonium chloride	0.70		Not Registered
Methyldodecylxylene bis (tri- methyl ammonium chloride) ...	0.17		
Theoretical chloride	0.09	0.08	
ORGANIC AMMONIUM CHLORIDES —HYDROGEN CHLORIDE			
The Drackett Products Co.			
Liquid Vanish Toilet Bowl Cleaner			
N-Alkyl dimethyl benzyl ammonium chloride	0.30		Passed
N-Alkyl dimethyl ethylbenzyl ammonium chloride	0.30		

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Hydrogen chloride	8.50	8.29	
Quaternary ammonium compounds		Present	
Lehn and Fink Products			
Division of Sterling Drug Inc.			
Lysol Brand Toilet Bowl Cleaner			
N-Alkyl (C ₁₄ 60%, C ₁₂ 25%, C ₁₆ 15%) dimethyl benzyl ammonium chloride	2.00		Passed
Hydrogen chloride	8.50		
Theoretical chlorine	8.46	8.53	
ORGANIC AMMONIUM CHLORIDES			
—PINE OIL			
Apex Chemical Co.			
Pine Odor Disinfectant, Coef. 5			
Methyl dodecylbenzyl trimethyl ammonium chloride	2.00		Passed
Methyl dodecylxylylene bis (trimethyl ammonium chloride)	0.50		
Pine oil	2.50	Present	
Theoretical chlorine	0.27	0.27	
PARADICHLOROBENZENE			
A-M-R Chemical Company, Inc.			
A-M-R Para Nuggets			
Paradichlorobenzene	100.00	98.87	Not Registered
The Broadman Co.			
Moth-Kill Moth Crystals			
Paradichlorobenzene	100.00	98.60	Not Registered
Enoz			
Division of Irwin-Willert Co.			
Enoz Roach Away			
Paradichlorobenzene	100.00	99.81	Passed
Enoz Cedar-Ize Moth Cake			
Paradichlorobenzene	99.75	98.52	Passed
Frank J. Curran Co.			
Cedar-Closet Para Moth Nuggets			
Paradichlorobenzene	100.00	100.00	Not Registered

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Gift Sales Co.			
Chem-O Sparkle Moth Crystals			
Paradichlorobenzene	99.97	98.00	Not Registered
Chem-O Sparkle Moth Nuggets			
Paradichlorobenzene	99.97	91.13	Deficient Not Registered
Irwin-Willert Co. Dale Chemical Company Div.			
Mothmaster Pure Para Crystals			
Paradichlorobenzene	100.00	100.00	Not Registered
Mothmaster Pure Para Moth Cake			
Paradichlorobenzene	100.00	98.00	Not Registered
Merk Chemical Division of Merk and Co.			
Di-Chloricide Moth Nuggets			
Paradichlorobenzene	100.00	98.60	Passed
PARATHION			
Blue Chemical Company, Inc.			
Thor Brand 1% Parathion Dust			
Parathion	1.00	1.13	Passed
Thor Brand Soybean 1-3 Spray			
Parathion	9.50	10.89	Excessive Active Ingredient Not Registered
Thor Brand 4 lb. Ethyl Parathion E. C.			
Parathion	46.50	46.04	Not Registered
do	46.50	43.87	Deficient Not Registered
Carter Chemical and Insecticide Co.			
Carter Carolina Brand 1% Parathion Dust			
Parathion	1.00	0.86	Passed
Coastal Chemical Corp.			
Coastal Parathion 4			
Parathion	46.50	47.71	Passed
do	46.50	46.69	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Daly-Herring Co.			
Dee Aitch Parathion 4E			
Parathion	46.75	50.61	Passed
E-Z Flo Chemical Co.			
E-Z Flo Parathion 2 Dust			
Parathion	2.00	1.98	Not Registered
E-Z Flo 4% Granular Parathion			
Parathion	4.00	3.80	Passed
E-Z Flo Parathion-4 Emulsifiable Concentrate			
Parathion	45.30	43.07	Passed
Parathion 8-F			
Parathion	77.30	79.09	Not Registered
FCX, Inc.			
FCX Parathion-4			
Parathion	45.30	46.50	Passed
do	45.30	43.70	Passed
do	45.30	45.96	Passed
W. R. Grace and Co.			
Naco Parathion 4% Granules			
Parathion	4.00	3.97	Passed
do	4.00	3.85	Not Registered
Kaiser Agricultural Chemicals			
Kaiser Wire Worm Granules			
Parathion	4.00	3.51	Deficient Not Registered
Niagara Chemical Div. FMC Corp.			
Parathion 4 Granular			
Parathion	4.00	3.42	Deficient
Planters Chemical Co.			
Planters Wireworm Granules			
Parathion	4.00	3.82	Passed
Smith-Douglass Division of Borden Chemical, Borden Inc.			
Parathion 4% Granular			
Parathion	4.00	3.74	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Parathion 4 Lb.			
Parathion	46.50	45.10	Passed
Southern Agricultural Chemicals, Inc.			
Royal Brand 15% Parathion Wettable Powder			
Parathion	15.00	15.95	Not Registered
Stauffer Chemical Co.			
Dustless Parathion 15-WP			
Parathion	15.00	14.41	Passed
Parathion 4 Flowable			
Parathion	42.20	43.34	Passed
Woolfolk Chemical Works, Ltd.			
Security 15% Parathion Wettable			
Parathion	15.00	15.40	Passed
PARATHION—FERBAM			
Daly-Herring Co.			
"D-H" 15% Fermate—1% Parathion Dust			
Parathion	1.00	0.85	Passed
Ferbam	11.40	10.90	
PARATHION—POLYRAM			
FCX, Inc.			
FCX Polyram 3.5 Dust + Parathion			
Parathion	1.00	0.88	Passed
Polyram	3.50	3.21	
PARATHION—ZINEB			
Niagara Chemical Div. FMC Corp.			
Zineb 6 Phos Kill 2 Dust			
Parathion	2.00	1.82	Deficient
Zineb	6.00	5.06	Not Registered

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
PETROLEUM DERIVATIVE SOLVENTS			
Chevron Chemical Co. Ortho Div.			
Volck 70 Supreme			
Petroleum oils	97.00	98.83	Passed
E-Z Flo Chemical Co.			
E-Z Flo Sucker Dope			
Aromatic petroleum derivative solvent	98.50	96.90	Passed
do	98.50	97.30	Passed
do	98.50	97.40	Passed
do	98.50	98.15	Passed
W. R. Grace and Co.			
Naco 70 Supreme A 70 Second Superior Oil			
Petroleum oils	99.20	99.05	Passed
PHENOL PREPARATIONS			
Chas. Pfizer and Company, Inc. Agricultural Div.			
Pfizer Dip and Disinfectant			
Cresylic acid	11.00	12.70	Passed
do	11.00	10.78	Passed
do	11.00	11.95	Passed
Pfizer 50% Cresylic Disinfectant			
Cresylic acid	50.00	51.05	Not Registered
Chester Chemical Corp.			
Di-Mold			
Sodium salt of pentachlorophenol	4.00	5.09	Passed
Dr. Hess and Clark, Inc.			
Household Size Dr. Hess Disinfectant			
Phenols	16.00	15.71	Not Registered
King Chemical Co.			
Seal-Treat Penta Wood Preservative			
Pentachlorophenol (Including related compounds)	4.99	4.95	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Le Gear Laboratories, Inc.			
Le Gear Multi-Purpose Disinfectant New			
Coal tar acids	11.00	11.66	Passed
do	11.00	12.09	Passed
Parke, Davis and Co.			
Kreso Dip No. 1			
Phenols	18.00	17.20	Passed
Ralston Purina Co.			
Purina Cre-So-Fec			
Cresylic acid	50.00	48.35	Passed
Rigo Manufacturing Co.			
Kill-Ko Dip and Disinfectant			
Cresylic acid	12.00	13.77	Passed
The Selig Chemical Industries			
Selig Germicidal Neutro Jel			
Sodium salt of 2-4-chlorophenyl phenol	4.00	3.70	Not Registered
Shepard Chemical Works, Inc.			
Shepard's Pineoil			
O-Benzyl-p-chlorophenol	1.50	1.32	Passed
United Co-Operatives, Inc.			
Unico Stock Premises Disinfectant			
Coal tar acids	11.00	11.83	Passed
William Cooper and Nephews, Inc.			
Saponified Cresylic Solution			
Cresylic acid	50.00	49.23	Passed
PHOSDRIN			
Southern Agricultural Chemicals, Inc.			
Royal Brand Phosdrin Insecticide Spray			
Phosdrin (Including related compounds)	25.40	22.19	Deficient Not Registered

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Southern Agricultural Insecticides, Inc.			
SA-50 Brand 2% Phosdrin Insecticide Dust			
Phosdrin (Including related compounds)	2.00	1.01	Deficient
PHOSPHORUS			
Common Sense Manufacturing Company, Inc.			
Common Sense Cockroach Preparation			
Phosphorus	2.00	1.66	Deficient
Common Sense Rat Preparation			
Phosphorus	2.00	1.82	Passed
do	2.00	2.11	Passed
Master Laboratories			
Star Rat Paste			
Phosphorus	2.00	2.20	Not Registered
Pearson and Co.			
Pearson's Poison Paste			
Phosphorus	2.00	2.47	Not Registered
Stearns' Electric Paste Co.			
Stearns' Electric Brand Rat and Roach Paste			
Phosphorus	2.50	2.36	Passed
PINE OIL			
Apex Chemical Co.			
Pine Oil Disinfectant, Coef. 4			
Pine oil	65.00	66.92	Passed
do	65.00	63.25	Passed
The Bourbon Co.			
Bourbon Pine Oil Disinfectant			
Pine Oil	81.00	82.14	Not Registered
PIVAL			
Cessco, Inc.			
Bait-Tox Ready-Mixed Rat Bait			
Pival	0.025	0.025	Passed
do	0.025	0.029	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Colonial Products, Inc.			
Colonial-32 Kills Rats & Mice			
Pival	0.025	0.029	Passed
do	0.025	0.021	Passed
FCX, Inc.			
FCX Ready-to-Use Trackdown Rat & Mouse Bait			
Pival	0.025	0.040	Passed
do	0.025	0.038	Passed
do	0.025	0.023	Passed
Master Products Co.			
Kills-Mor			
Pival	0.025	0.015	Deficient Not Registered
PIVALYN			
Ralston Purina Co.			
Purina Mouse-Kill			
Pivalyn	0.0275	0.021	Passed
do	0.0275	0.023	Passed
Purina Rat-Kill			
Pivalyn	0.0275	0.034	Passed
do	0.0275	0.031	Passed
do	0.0275	0.026	Passed
do	0.0275	0.038	Passed
Purina Rat-Kill Soluble			
Pivalyn	0.14	0.19	Passed
PLANAVIN			
Shell Chemical Co.			
A Division of Shell Oil Co.			
Planavin 4 Water Dispersible Liquid Herbicide			
Planavin	43.61	42.20	Passed
Planavin 75 Herbicide			
Planavin	75.00	73.30	Passed
POLYRAM			
Coastal Chemical Corp.			
Coastal Polyram 5% Boron 2.52%			
Polyram	5.00	5.19	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Niagara Chemical Div. FMC Corp.			
Niagara Polyram 5 Boron Dust (with Borax)			
Polyram	5.00	5.35	Passed
Planters Chemical Co.			
Planters Polyram 5 Dust Fungicide			
Polyram	5.00	5.10	Passed
PYRETHRINS—BAYGON—N-OCTYL BICYCLOHEPTENE DICARBOXIMIDE —PIPERONYL BUTOXIDE			
Ralston Purina Co.			
Purina Roach & Ant Killer			
Pyrethrins	0.05	0.06	Not Registered
Baygon	0.50		
N-Octyl bicycloheptene dicarboximide	0.17		
Piperonyl butoxide	0.10	0.10	
Theoretical nitrogen	0.04	0.05	
PYRETHRINS—DIAZINON			
301 Exterminating Service			
301 Cockroach Killer			
Pyrethrins	0.052	0.052	Excessive Active Ingredient
Diazinon	0.50	1.01	
PYRETHRINS—DIAZINON— PIPERONYL BUTOXIDE			
Colonial Products, Inc.			
Kill Colonial RCS			
Pyrethrins	0.04	0.05	Passed
Diazinon	0.50	0.47	
Piperonyl butoxide	0.20	0.20	
Poplin Chemical Co.			
Pop-O-Lite Household Insect Spray			
Pyrethrins	0.052	0.088	Passed
Diazinon	0.50	0.50	
Piperonyl butoxide	0.261	0.23	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
PYRETHRINS—ISOBORNYL THIOCYANOACETATE— PIPERONYL BUTOXIDE—TERPENE POLYCHLORINATE—RONNEL			
California Chemical Co. Ortho Div.			
Ortho Mosquito & Fly Bomb			
Pyrethrins	0.025	0.03	Passed
Isobornyl thiocyanacetate (Including related compounds)	1.00	1.26	
Piperonyl butoxide	0.20	0.12	
Terpene polychlorinate	1.00		
Ronnel	0.40		
Theoretical chlorine	0.79	0.80	
PYRETHRINS—O- ISOPROPOXYPHENYL METHYLCARBAMATE—N-OCTYL BICYCLOHEPTENE DICARBOXIMIDE—PIPERONYL BUTOXIDE			
Ralston Purina Co.			
Purina Roach & Ant Killer			
Pyrethrins	0.05	0.03	Passed
O-Isopropoxyphenyl methyl- carbamate	0.50		
N-Octyl bicycloheptene dicarboximide	0.17		
Piperonyl butoxide	0.10	0.09	
Theoretical nitrogen	0.04	0.05	
PYRETHRINS—N-OCTYL BICYCLOHEPTENE DICARBOXIMIDE—PIPERONYL BUTOXIDE			
Atlantic and Pacific Tea Company, Inc.			
Bright Sail Insect Killer			
Pyrethrins	0.30	0.17	Deficient
N-Octyl bicycloheptene dicarboximide	1.00	0.82	
Piperonyl butoxide	0.60	0.34	
The d-Con Company, Inc.			
d-Con House & Garden Flying Insect Killer			
Pyrethrins	0.25	0.15	Passed
N-Octyl bicycloheptene dicarboximide	0.50	0.62	
Piperonyl butoxide	0.90	0.65	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Pyrethrins	0.25	0.15	Passed
N-Octyl bicycloheptene dicarboximide	0.50	0.58	
Piperonyl butoxide	0.90	0.63	

Hot Shot Quality Products, Inc.**Hot Shot Fly and Mosquito Insect Killer**

Pyrethrins	0.075	0.040	Passed
N-Octyl bicycloheptene dicarboximide	0.25	0.39	
Piperonyl butoxide	0.15	0.12	
Pyrethrins	0.075	0.041	Passed
N-Octyl bicycloheptene dicarboximide	0.25	0.33	
Piperonyl butoxide	0.15	0.13	

Lesco Paper and Box Co.**Lesco Kwik-Kil Insecticide (Aerosol)**

Pyrethrins	0.25	0.18	Not Registered
N-Octyl bicycloheptene dicarboximide	0.50	0.70	
Piperonyl butoxide	0.50	0.45	

Rexall Drug Co.**Rexall Guaranteed Quality Flying Insect Killer**

Pyrethrins	0.30	0.55	Passed
N-Octyl bicycloheptene dicarboximide	1.00	1.58	
Piperonyl butoxide	0.60	0.53	

Stafford, Inc.**Plee-Zing Aerosol Insect Killer**

Pyrethrins	0.30	0.18	Not Registered
N-Octyl bicycloheptene dicarboximide	1.00	1.30	
Piperonyl butoxide	0.60	0.42	

**PYRETHRINS—PIPERONYL
BUTOXIDE****Chevron Chemical Co.****Ortho Dairy & Horse Fly Spray**

Pyrethrins	0.03	0.03	Passed
Piperonyl butoxide	0.25	0.26	

Cook Chemical Co.**REAL-KILL Rose & Garden Insect Spray**

Pyrethrins	0.105	Present	Passed
Piperonyl butoxide	0.105	0.095	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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Douglas Chemical Co.**Douglas Special Mill Spray**

Pyrethrins	0.14	0.15	Passed
Piperonyl butoxide	1.39	1.60	

Gaston Johnston Corp.**Johnston's No-Roach Spray**

Pyrethrins	0.20	0.10	Not Registered
Piperonyl butoxide	1.00	0.72	

Hot Shot Quality Products, Inc.**Hot Shot Fly and Mosquito Insect Killer (Liquid)**

Pyrethrins	0.075	0.10	Passed
Piperonyl butoxide	0.15	0.15	

Orkin Exterminating Company, Inc.**Orkin-Aire Industrial Aerosol Bomb**

Pyrethrins	0.50	0.51	Passed
Piperonyl butoxide	4.00	3.87	

Real Kill Products**Division of Cook Chemical Co.****Real-Kill Rose & Garden Insect Spray Concentrate**

Pyrethrins	0.105	0.060	Passed
Piperonyl butoxide	0.105	0.106	

Woolfolk Chemical Works, Ltd.**Security Mill Spray**

Pyrethrins	0.15	0.16	Deficient Not Registered
Piperonyl butoxide	1.50	0.78	

ROTENONE**Acme Insecticide****Division of Acme Quality Paints, Inc.****Acme Garden Guard Contains 1% Rotenone**

Rotenone	1.00	0.82	Passed
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Dragon Chemical Corp.**Dragon 1% Rotenone Dust**

Rotenone	1.00	0.95	Passed
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Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
FCX, Inc.			
FCX Rotox "100"			
Rotenone	1.00	0.95	Passed
do	1.00	0.99	Passed
do	1.00	1.10	Passed
Greevers			
Division of Murcofton, Inc.			
Greever's Grub & Louse Powder			
Rotenone	1.67	1.70	Passed
McCormick and Company, Inc.			
Bee Brand Flea Killer			
Rotenone	1.00	0.88	Passed
Nott Manufacturing Company, Inc.			
Flea-Not Powder			
Rotenone	1.00	0.88	Passed
Stephenson Chemical Company, Inc.			
Stephenson Chemical 1% Rotenone Dust			
Rotenone	1.00	0.95	Not Registered
William Cooper and Nephews, Inc.			
Cooper Cattle Grub and Louse Powder			
Rotenone	1.50	1.32	Not Registered
ROTENONE—DICHLOROPHENE			
Hartz Mountain Products Corp.			
Flea Powder For Cats			
Rotenone	0.75	0.60	Passed
Dichlorophene	0.50	0.45	
ROTENONE—DICHLOROPHENE— HEXACHLOROPHENE			
Hilo Products, Inc.			
Hilo Flea & Fungus Powder			
Rotenone	1.20	1.06	Passed
Dichlorophene	0.50		
Hexachlorophene	0.50		
Theoretical chlorine	0.39		

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
ROTENONE—PIPERONYL BUTOXIDE—PYRETHRINS			
Boyle-Midway, Inc.			
Black Flag Flea-Tick & Louse Powder			
Rotenone	0.50	0.66	Passed
Piperonyl butoxide	1.00	1.00	
Pyrethrins	0.10	0.19	
California Chemical Co.			
Ortho Indoor Plant Bomb			
Rotenone	0.13	Present	Passed
Piperonyl butoxide	0.25	0.40	
Pyrethrins	0.02	0.03	
Rotenone	0.13	Present	Passed
Piperonyl butoxide	0.25	0.52	
Pyrethrins	0.02	0.05	
ROTENONE—PYRETHRINS— SULFUR—ZINEB			
Swift and Co. Agrichem Div.			
Vigoro Garden Dust, Squeeze Duster			
Rotenone	1.00	1.05	Passed
Pyrethrins	0.10	0.12	
Sulfur	10.00	11.15	
Zineb	3.25	3.09	
ROTENONE—SULFUR			
Dr. LeGear, Inc.			
LeGear Louse Powder			
Rotenone	1.70	2.34	Passed
Sulfur	8.00	7.60	
FCX, Inc.			
FCX Cattle Grub & Louse Powder			
Rotenone	1.60	1.29	Passed
Sulfur	45.00	45.62	
Rotenone	1.60	1.61	Passed
Sulfur	45.00	47.23	
Rotenone	1.60	1.41	Passed
Sulfur	45.00	46.70	
Rotenone	1.60	1.32	Passed
Sulfur	45.00	43.07	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
W. R. Grace and Co.			
Maxwell Insecticides 1% Rotenone Dust			
Rotenone	1.00	0.82	Passed
Sulfur	15.00	15.03	
Maxwell Insecticides Rotenone-Sulphur 1-15 Dust			
Rotenone	1.00	1.19	Passed
Sulfur	15.00	15.00	
Ralston Purina Co.			
Purina Lice & Grub Killer			
Rotenone	1.67	1.87	Passed
Sulfur	50.00	50.50	
SABADILLA			
E-Z Flo Chemical Co.			
E-Z Flo 10% Sabadilla Dust			
Sabadilla alkaloids	0.40	0.51	Not Registered
FCX, Inc.			
FCX Saba-Dil Dust			
Sabadilla alkaloids	0.80	1.10	Passed
GurMiCo Chemicals, Inc.			
GurMiCo 20% Sabadilla Dust			
Sabadilla alkaloids	0.80	1.03	Passed
do	0.80	1.00	Misbranded Not Registered
Pearson and Co.			
Red-Devil Dust Containing 20% Sabadilla			
Sabadilla alkaloids	0.80	0.90	Not Registered
SODIUM BISULFATE			
A-Penn Division of Penn Corp.			
A-Penn Toilet Bowl Cleaner			
Sodium bisulfate	79.00	81.43	Not Registered
The Climalene Co.			
Bowlene			
Sodium bisulfate	83.52	81.53	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Bowlene (Disinfects)			
Sodium bisulfate	90.00	92.37	Not Registered
SODIUM BISULFATE— MONOPOTASSIUM PEROXYSLFATE			
Boyle-Miday, Inc.			
New Blue Bubbling Action Sani-Flush			
Sodium bisulfate	79.75		Passed
Monopotassium peroxyulfate ...	0.75		
Theoretical sulfate	64.24	67.29	
SODIUM CHLORATE			
Rhodia, Inc. Chipman Div.			
Atlacide			
Sodium chlorate	58.00	56.06	Passed
SODIUM CHLORATE— SODIUM METABORATE TETRAHYDRATE			
Pennsalt Chemical Corp.			
Pennsalt Weed Blitz			
Sodium chlorate	30.00	31.83	Passed
Sodium metaborate tetrahydrate .	68.00	70.40	
Sodium chlorate	30.00	30.13	Passed
Sodium metaborate tetrahydrate .	68.00	70.15	
SODIUM HYPOCHLORITE			
Blue Magic Company of North Carolina, Inc.			
Easy Monday Bleach			
Sodium hypochlorite	5.25	6.48	Passed
Piggly Wiggly Wholesale, Inc.			
Azalea Bleach			
Sodium hypochlorite	5.25	5.32	Passed
VERNAM			
Stauffer Chemical Co.			
Vernam 6E			
Vernam	75.90	78.02	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Vernam 6E			
Vernam	77.80	75.70	Not Registered
STRYCHNINE			
Carajon Chemical Company, Inc.			
Force's Mole Killer			
Strychnine sulfate	0.50	0.50	Passed
Force's Mous-Rid			
Strychnine alkaloid	0.50	0.42	Passed
Force's Poison Peanuts			
Strychnine sulfate	0.50	0.61	Passed
do	0.50	0.42	Passed
Nott Manufacturing Company, Inc.			
Mouse-Nots			
Strychnine sulfate	0.35	0.41	Passed
Kilmice "Their Last Meal"			
Strychnine sulfate	0.50	0.50	Not Registered
Pearson and Co.			
Pearson's 1-12 Super Milo Maize Gopher Bait			
Strychnine alkaloid	0.30	0.28	Passed
Pearson's Poison Peanut Pellets			
Strychnine alkaloid	0.50	0.47	Passed
do	0.50	0.48	Passed
W. G. Reardon Laboratories, Inc.			
"Mouse Seed"			
Strychnine sulfate	0.35	0.27	Not Registered
"Mouse Seed"			
Strychnine	0.40	0.53	Passed
do	0.40	0.49	Passed
W. R. Sweeney Manufacturer, Inc.			
Sweeney's Poison Peanuts			
Strychnine alkaloid	0.30	0.53	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
SULFUR			
E-Z Flo Chemical Co.			
E-Z Flo 93% Sulphur Dust			
Sulfur	93.00	94.03	Passed
do	93.00	93.71	Passed
Woolfolk Chemical Works, Ltd.			
Security Wettable Sulphur			
Sulfur	90.00	92.20	Not Registered
TERRACLOR			
Olin Mathieson Chemical Corp.			
Terraclor Landplaster Mixture			
Terraclor	3.75	3.51	Passed
Terraclor 40% Dust			
Terraclor	40.00	38.65	Passed
Planters Chemical Corp.			
Planters Special Customer Mixture			
Terraclor	40.00	37.48	Deficient Misbranded Not Registered
Smith-Douglass Division of Borden Chemical, Borden Inc.			
Champion Nova Scotia Land Plaster with Terraclor for Peanuts			
Terraclor	3.75	4.46	Passed
TOXAPHENE			
Blue Chemical Company, Inc.			
Thor Brand 20% Toxaphene			
Toxaphene	20.00	20.01	Not Registered
do	20.00	17.64	Deficient Not Registered
Thor Brand 6 Lb. Toxaphene			
Toxaphene	60.00	56.47	Deficient Not Registered

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Cape Fear Chemicals, Inc.			
Tiger Brand 10% Toxaphene Dust			
Toxaphene	10.00	10.20	Not Registered
Tiger Brand Toxaphene Emulsion 60			
Toxaphene	60.40	55.46	Deficient
Carolina Chemical Corp.			
20% Toxaphene Dust			
Toxaphene	20.00	19.05	Not Registered
do	20.00	19.17	Not Registered
Toxaphene Emulsible Concentrate			
Toxaphene	59.00	58.25	Not Registered
do	59.00	58.03	Not Registered
do	59.00	56.92	Not Registered
Carolina Chemicals, Inc.			
Flight Brand Toxaphene Dust 20-0			
Toxaphene	20.00	19.98	Not Registered
Carter Insecticide and Chemical Company, Inc.			
Carter Carolina Brand 10% Toxaphene Dust			
Toxaphene	10.00	9.28	Deficient
Coastal Chemical Corp.			
20% Toxaphene Dust			
Toxaphene	20.00	19.26	Passed
Daly-Herring Co.			
Dee Aitch 60% Toxaphene			
Toxaphene	61.20	59.51	Passed
E-Z Flo Chemical Co.			
E-Z Flo Toxaphene 20 Dust			
Toxaphene	20.00	19.73	Passed
FCX, Inc.			
FCX 10% Toxaphene Dust			
Toxaphene	10.00	9.87	Passed
FCX 20-0 Toxaphene Dust			
Toxaphene	20.00	20.90	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
FCX Toxaphene-6			
Toxaphene	60.00	59.73	Passed
W. R. Grace and Co.			
Naco 10% Toxaphene Dust			
Toxaphene	10.00	9.99	Passed
Maxwell Toxaphene Emulsion 60			
Toxaphene	58.77	57.60	Not Registered
do	58.77	62.37	Not Registered
Meherrin Agricultural and Chemical Co.			
Red Kay 20% Toxaphene Cotton Dust			
Toxaphene	20.00	20.29	Passed
do	20.00	20.57	Passed
W. R. Peele Company, Inc.			
Toxaphene 60-E.C.			
Toxaphene	57.50	61.43	Passed
Planters Chemical Co.			
Division of Thompson-Hayward Chemical Co.			
Planters 20% Toxaphene Dust			
Toxaphene	20.00	20.64	Passed
do	20.00	21.25	Passed
Planters Toxaphene 6 lb. Emulsion Concentrate			
Toxaphene	60.00	59.50	Passed
Smith-Douglass			
Division of Borden Chemical, Borden Inc.			
Toxaphene 20% Dust			
Toxaphene	20.00	21.96	Passed
Toxaphene 6 lb. Emulsion Concentrate			
Toxaphene	60.00	58.12	Passed
do	60.00	58.33	Passed
Southern Agricultural Chemicals, Inc.			
Royal Brand 20% Toxaphene Dust			
Toxaphene	20.00	20.76	Not Registered
Stauffer Chemical Co.			
Toxaphene 6-E			
Toxaphene	58.00	59.39	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Woolfolk Chemical Works, Ltd.			
Security Toxaphene 20% Dust			
Toxaphene	20.00	20.82	Passed
do	20.00	19.93	Passed
TOXAPHENE—DDT			
Blue Chemical Company, Inc.			
Thor Brand 14-7 Toxaphene DDT Cotton Dust			
Toxaphene	14.00		Not Registered
DDT	7.00		
Theoretical chlorine	12.88	12.22	
Thor Brand 4 Tox-2 DDT			
Toxaphene	39.60		Passed
DDT	19.80		
Theoretical chlorine	36.43	36.27	
Toxaphene	39.60		Passed
DDT	19.80		
Theoretical chlorine	36.43	36.53	
Toxaphene	39.60		Passed
DDT	19.80		
Theoretical chlorine	36.43	37.43	
Thor Brand Toxaphene-DDT Low Volume Concentrate Pesticide			
Toxaphene	46.60		Not Registered
DDT	23.30		
Theoretical chlorine	42.87	43.38	
Carolina Chemical Corp.			
Toxaphene-DDT Cotton Dust			
Toxaphene	14.00		Passed
DDT	7.00		
Theoretical chlorine	12.88	12.43	
Toxaphene	14.00		Passed
DDT	7.00		
Theoretical chlorine	12.88	12.34	
Daly-Herring Co.			
Dee Aitch 14% Toxaphene—7% DDT			
Toxaphene	14.00		Passed
DDT	7.00		
Theoretical chlorine	12.88	14.20	
E-Z Flo Chemical Co.			
E-Z Flo Superkill 14% Toxaphene 7% DDT			
Toxaphene	14.00		Passed
DDT	7.00		
Theoretical chlorine	12.88	12.99	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
E-Z Flo Toxaphene-DDT 4-2 Emulsive			
Toxaphene	40.00		Passed
DDT	20.00		
Theoretical chlorine	36.80	36.39	
Toxaphene	40.00		Passed
DDT	20.00		
Theoretical chlorine	36.80	37.17	
Toxaphene	40.00		Passed
DDT	20.00		
Theoretical chlorine	36.80	36.77	
FCX, Inc.			
FCX 14-7 Dust (Toxaphene-DDT)			
Toxaphene	14.00		Passed
DDT	7.00		
Theoretical chlorine	12.88	12.78	
Toxaphene	14.00		Passed
DDT	7.00		
Theoretical chlorine	12.88	12.57	
FCX "42" Spray			
Toxaphene	38.70		Passed
DDT	19.30		
Theoretical chlorine	35.58	36.74	
Toxaphene	38.70		Passed
DDT	19.30		
Theoretical chlorine	35.58	38.08	
W. R. Grace and Company			
Maxwell Insecticides—Toxaphene-DDT Emulsion 4-2			
Toxaphene	39.14		Passed
DDT	19.57		
Theoretical chlorine	35.01	37.20	
GurMiCo Chemicals, Inc.			
Gur-Mi-Co DDT 7 Toxaphene 14 Dust			
Toxaphene	14.00		Passed
DDT	7.00		
Theoretical chlorine	12.88	12.69	
Kaiser Agricultural Chemicals			
Kaiser 14% Toxaphene—7% DDT			
Toxaphene	14.00		Passed
DDT	7.00		
Theoretical chlorine	12.88	12.65	
Kaiser 4-2			
Toxaphene	40.00		Passed
DDT	20.00		
Theoretical chlorine	36.80	35.28	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Kerr-McGee Chemical Corp.			
Kerr-McGee Toxaphene DDT Emulsible Concentrate			
Toxaphene	40.00		Passed
DDT	20.00		
Theoretical chlorine	36.80	36.98	
Niagara Chemical Div. FMC Corp.			
DDT 7 Toxaphene 14 Dust			
Toxaphene	14.00		Passed
DDT	7.00		
Theoretical chlorine	12.88	13.18	
W. R. Peele Company, Inc.			
14-7 Toxaphene DDT Dust			
Toxaphene	14.00		Passed
DDT	7.00		
Theoretical chlorine	12.88	12.25	
Toxaphene-DDT			
Toxaphene	40.00		Passed
DDT	20.00		
Theoretical chlorine	36.80	37.57	
Planters Chemical Co.			
Planters Toxaphene DDT Emulsion Concentrate			
Toxaphene	40.00		Passed
DDT	20.00		
Theoretical chlorine	36.80	35.41	
Toxaphene	40.00		Passed
DDT	20.00		
Theoretical chlorine	36.80	35.65	
Smith-Douglass Division of Borden Chemical, Borden Inc.			
Toxaphene-DDT Cotton Dust			
Toxaphene	14.00		Passed
DDT	7.00		
Theoretical chlorine	12.88	12.43	
Weevil King			
Toxaphene	14.00		Passed
DDT	7.00		
Theoretical chlorine	12.88	13.20	
Toxaphene-DDT 4-2 Emulsion Concentrate			
Toxaphene	40.00		Passed
DDT	20.00		
Theoretical chlorine	36.80	35.55	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Stauffer Chemical Co.			
DDT-Toxaphene 7-14 Dust			
Toxaphene	14.00		Passed
DDT	7.00		
Theoretical chlorine	12.88	13.34	
Toxaphene	14.00		Not Registered
DDT	7.00		
Theoretical chlorine	12.88	13.60	
DDT-Toxaphene 2-4-E			
Toxaphene	39.10		Passed
DDT	19.60		
Theoretical chlorine	36.00	36.72	
TOXAPHENE—DDT—METHYL PARATHION			
Blue Chemical Company, Inc.			
Thor Brand 14-7-1 Tox-DDT-MP Dust			
Toxaphene	14.00		Not Registered
DDT	7.00		
Methyl parathion	1.00	1.18	
Theoretical chlorine	12.88	13.16	
Toxaphene	14.00		Not Registered
DDT	7.00		
Methyl parathion	1.00	0.96	
Theoretical chlorine	12.88	12.86	
Toxaphene	14.00		Deficient Not Registered
DDT	7.00		
Methyl parathion	1.00	0.82	
Theoretical chlorine	12.88	11.22	
Thor Brand 14-7-2 Tox-DDT-MP Dust			
Toxaphene	14.00		Not Registered
DDT	7.00		
Methyl parathion	2.00	1.80	
Theoretical chlorine	12.88	12.91	
Toxaphene	14.00		Deficient Not Registered
DDT	7.00		
Methyl parathion	2.00	1.49	
Theoretical chlorine	12.88	12.78	
Thor Brand 4-2-.5			
Toxaphene	38.00		Passed
DDT	19.00		
Methyl parathion	4.75	4.55	
Theoretical chlorine	34.36	36.26	
Toxaphene	38.00		Excessive Active Ingredient
DDT	19.00		
Methyl parathion	4.75	7.92	
Theoretical chlorine	34.36	35.39	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Thor Brand 4-2-1			
Toxaphene	38.00		Passed
DDT	19.00		
Methyl parathion	9.50	9.13	
Theoretical chlorine	34.36	35.35	
Thor Brand Tho-Tox			
Toxaphene	52.00		Not Registered
DDT	21.60		
Methyl parathion	3.20	3.78	
Theoretical chlorine	45.64	46.63	
Carolina Chemical Corp.			
Toxaphene-DDT Methyl Parathion 4-2-1 E. C.			
Toxaphene	38.28		Deficient Not Registered
DDT	19.14		
Methyl parathion	9.57	4.20	
Theoretical chlorine	35.22	32.41	
Carolina Chemicals, Inc.			
Flight Brand Methyl Parathion-Toxaphene-DDT Dust 2-14-7			
Toxaphene	14.00		Passed
DDT	7.00		
Methyl parathion	2.00	2.19	
Theoretical chlorine	12.88	13.68	
Toxaphene	14.00		Passed
DDT	7.00		
Methyl parathion	2.00	1.83	
Theoretical chlorine	12.88	13.49	
Toxaphene	14.00		Passed
DDT	7.00		
Methyl parathion	2.00	2.12	
Theoretical chlorine	12.88	13.30	
Toxaphene	14.00		Deficient
DDT	7.00		
Methyl parathion	2.00	1.64	
Theoretical chlorine	12.88	12.83	
FCX, Inc.			
FCX 14-7-2½			
Toxaphene	14.00		Passed
DDT	7.00		
Methyl parathion	2.50	2.56	
Theoretical chlorine	12.88	12.93	
FCX "421" Cotton Spray			
Toxaphene	37.30		Passed
DDT	18.70		
Methyl parathion	9.30	9.28	
Theoretical chlorine	34.34	34.86	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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Toxaphene	37.30		Deficient
DDT	18.70		
Methyl parathion	9.30	8.11	
Theoretical chlorine	34.34	35.56	

Planters Chemical Co.**Planters Special Cotton Dust**

Toxaphene	14.00		Passed
DDT	7.00		
Methyl parathion	1.00	0.85	
Theoretical chlorine	12.88	12.78	
Toxaphene	14.00		Deficient
DDT	7.00		
Methyl parathion	1.00	0.67	
Theoretical chlorine	12.88	12.28	
Toxaphene	14.00		Deficient
DDT	7.00		
Methyl parathion	1.00	0.74	
Theoretical chlorine	12.88	12.71	

Royster Chemical Co.

"71425" Contains 7% DDT 14% Toxaphene 2.5% Methyl Parathion

Toxaphene	14.00		Deficient
DDT	7.00		Not Registered
Methyl parathion	2.50	2.39	
Theoretical chlorine	12.88	10.69	

Smith-Douglass**Division of Borden Chemical, Borden Inc.****Weevil Whammy**

Toxaphene	38.88		Deficient
DDT	19.45		
Methyl parathion	6.08	4.97	
Theoretical chlorine	35.78	36.14	

Southern Agricultural Chemicals, Inc.**Royal Brand Triple Kill Cotton Spray 4-2-.5**

Toxaphene	37.70		Passed
DDT	18.80		
Methyl parathion	4.70	5.27	
Theoretical chlorine	34.66	37.13	

TOXAPHENE—DDT—PARATHION**Daly-Herring Co.**

"D-H" 14% Toxaphene—7% DDT—1% Parathion Dust

Toxaphene	14.00		Passed
DDT	7.00		
Parathion	1.00	1.05	
Theoretical chlorine	12.88	13.81	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Toxaphene	14.00		Passed
DDT	7.00		
Parathion	1.00	1.00	
Theoretical chlorine	12.88	13.41	

Howerton Gowen Chemicals, Inc.

Gowen's 14% Tox—7% DDT—1% Parathion Dust

Toxaphene	14.00		Passed
DDT	7.00		
Parathion	1.00	0.97	
Theoretical chlorine	12.88	12.56	

W. R. Peele Company, Inc.

14-7-1 Toxaphene DDT Parathion Dust

Toxaphene	14.00		Passed
DDT	7.00		
Parathion	1.00	0.90	
Theoretical chlorine	12.88	12.94	

TOXAPHENE—PARATHION**Niagara Chemical Div.
FMC Corp.**

Toxakil 10 Phos Kil 2 Dust

Toxaphene	10.00	10.14	Passed
Parathion	2.00	2.01	
Toxaphene	10.00	10.18	Passed
Parathion	2.00	1.88	

Southern Agricultural Insecticides, Inc.

SA-50 Brand Pre Heading Cabbage Dust With Toxaphene and Parathion

Toxaphene	10.00	10.23	Passed
Parathion	1.50	1.78	
Toxaphene	10.00	10.87	Passed
Parathion	1.50	1.59	
Toxaphene	10.00	10.39	Passed
Parathion	1.50	1.53	
Toxaphene	10.00	10.55	Passed
Parathion	1.50	1.57	
Toxaphene	10.00	9.85	Passed
Parathion	1.50	1.61	

SA-50 Brand Pre-Head Dust 2-20

Toxaphene	20.00	21.25	Passed
Parathion	2.00	2.03	
Toxaphene	20.00	19.29	Passed
Parathion	2.00	2.13	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Toxaphene	20.00	21.19	Passed
Parathion	2.00	2.15	
WARFARIN			
Allied Mills, Inc.			
Wayne Rat & Mouse Killer			
Warfarin	0.025	0.031	Passed
Mr. G. W. Best			
Rat and Mouse Killer			
Warfarin	0.025	0.042	Excessive Active Ingredient
Black Leaf Products Co.			
Warf			
Warfarin	0.025	0.027	Passed
Warf with Prolin			
Warfarin	0.025	0.022	Passed
do	0.025	0.028	Not Registered
Black Leaf New Warf Mouse Killer			
Warfarin	0.050	0.051	Not Registered
Warf Mouse Killer			
Warfarin	0.050	0.040	Not Registered
Carolina Garden and Farm Service, Inc.			
Carolina's Rat Bait			
Warfarin	0.025	0.041	Passed
.5% Prolin Concentrate			
Warfarin	0.50	0.53	Passed
do	0.50	0.51	Passed
Chevron Chemical Co.			
Ortho Pelleted Rat & Mice Bait			
Warfarin	0.025	0.030	Passed
do	0.025	0.033	Passed
do	0.025	0.029	Passed
Colonial Products, Inc.			
Colonial 42 Kill Rats & Mice			
Warfarin	0.025	0.026	Passed
do	0.025	0.032	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
S. L. Cowley and Sons Manufacturing Co.			
Cowley's New Improved Rat and Mouse Bait			
Warfarin	0.025	0.036	Not Registered
The d-Con Company, Inc.			
d-Con Ready Mixed Kills Rats and Mice Exclusive Blend LX 3-2-1			
Warfarin	0.025	0.026	Passed
d-Con Mouse-Prufe Exclusive Patented Formula			
Sodium salt of warfarin	0.054	0.053	Passed
do	0.054	0.047	Passed
d-Con Warficide Kills Rats-Mice			
Sodium salt of warfarin	0.127	0.109	Passed
Dr. LeGear, Inc.			
LeGear Prolin Mouse Bait			
Warfarin	0.025	0.036	Passed
Everlab Company, Inc.			
Final Mouse Strips			
Warfarin	0.025	0.028	Passed
Getem Manufacturing Company, Inc.			
Getem Rat & Mouse Bait			
Warfarin	0.025	0.027	Passed
The Gland-O-Lac Co.			
Gland-O-Lac Tag			
Warfarin	0.025	0.018	Passed
do	0.025	0.028	Passed
Gould's Dell Products Division Dr. Davies Products Company, Inc.			
Flavorized Rat Kakes			
Warfarin	0.025	0.035	Passed
Hess and Clark, Inc.			
Dr. Hess New Warfarat Ready-To-Use-Bait			
Warfarin	0.025	0.025	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Hess & Clark Warfarat Crumbles			
Warfarin	0.025	0.024	Passed
do	0.025	0.021	Passed
Hopkins Agricultural Chemical Co.			
Hopkins Prolin Redi-Mix Rat and Mouse Killer			
Warfarin	0.025	0.030	Passed
do	0.025	0.038	Passed
S. C. Johnson and Son, Inc.			
Raid Mouse Killer			
Warfarin	0.025	0.030	Passed
do	0.025	0.028	Passed
The Master Products Co.			
Rat Buster			
Warfarin	0.025	0.034	Passed
do	0.025	0.025	Passed
Nok-Out-Bam Chemical Company, Inc.			
Nok-Out-Bam Rat Poison			
Warfarin	0.025	0.025	Passed
L. Perrigo Co.			
Lightning Rat Killer			
Warfarin	0.025	0.030	Not Registered
Rat and Pest Control Co. Division of E. H. Prater Wholesale Co.			
Warfarin Baited Rat Food			
Warfarin	0.025	0.029	Passed
Rexall Drug Co.			
Rexall Guaranteed Effective Prolin Rat Killer			
Warfarin	0.025	0.036	Not Registered
Wake County Health Department			
Rat Bait			
Warfarin	0.025	0.034	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
William Cooper and Nephews, Inc.			
Cooper Prolin Rat & Mouse Killer			
Warfarin	0.025	0.029	Not Registered
ZINEB			
Carolina Chemical Corp.			
10% Dithane Z-78 Dust			
Zineb	6.50	6.11	Passed
Chevron Chemical Co.			
Ortho Zineb Wettable			
Zineb	75.00	70.77	Deficient
Coastal Chemical Corp.			
10% Dithane Dust			
Zineb	6.50	5.48	Deficient
E-Z Flo Chemical Co.			
E-Z Flo Zineb 6.5 Dust			
Zineb	6.50	5.21	Adulterated Deficient Not Registered
W. R. Grace and Co.			
Maxwell Insecticides Dithane Dust			
Zineb	6.50	6.80	Passed
do	6.50	6.60	Passed
Molony Fertilizer Co.			
Lightning Brand 10% Dithane Dust			
Zineb	6.50	6.60	Not Registered
Niagara Chemical Div. FMC Corp.			
Zineb 6.5 Dust			
Zineb	6.50	6.23	Passed
W. R. Peele Company, Inc.			
Dithane Dust Contains 10% Dithane Z-78			
Zineb	6.50	6.69	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Rohm and Haas Co.			
Dithane Z-78			
Zineb	75.00	78.24	Passed
Royster Chemical Co.			
"65" Contains 6.5% Zineb			
Zineb	6.50	4.16	Deficient Not Registered
Smith-Douglass Division of Borden Chemical, Borden Inc.			
Zineb 6½ % Dust			
Zineb	6.50	6.77	Passed
ZINEB—SULFUR			
Dawson Chemical Co.			
Sperlox-SZ			
Zineb	8.00		Passed
Sulfur	40.00		
Theoretical sulfur	43.72	45.69	
MISCELLANEOUS—ORGANIC			
American Cyanamid Co. Agricultural Div.			
Cyprex 65-W Fruit Fungicide			
Dodine	65.00	68.94	Passed
Bio-Lab, Inc.			
Bio-Brom			
Naled	37.00	36.97	Passed
Blue Chemical Company, Inc.			
Thor Brand Dithane M-45 Dust for Peanuts			
Dithane M-45	6.25	6.06	Not Registered
Carbola Chemical Company, Inc. Subsidiary of International Talc Company, Inc.			
Carbola White Disinfectant and Insecticide			
Phenols	1.60	Present	Passed
Ronnel	0.50	0.45	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
John Charles Co. and Tiki Torch Co.			
Tiki Torch Fuel			
Mineral Spirits	100.00	100.00	Passed
Chemagro Corp.			
Dasanit 15% Granular Insecticide Nematocide			
O,O-Diethyl O-[p-(methyl- sulfinyl)phenyl] phosphoro- thioate	15.00	14.73	Passed
Di-Syston 10% Granular Systemic Insecticide			
Di-Syston	10.00	10.63	Passed
Dyrene 50% Wetttable Powder Foliage Fungicide			
Dyrene	50.00	51.07	Passed
Chester Chemical Corp.			
Di-Gas 35¢			
Paraformaldehyde	95.00	99.85	Passed
Chevron Chemical Co. Ortho Div.			
Ortho Paraquat CL			
Paraquat dichloride	29.10	32.28	Passed
Ciba Agrochemical Co. Division of Ciba Corp.			
Cotoran 80WP Herbicide			
Cotoran	80.00	80.60	Passed
Daly-Herring Co.			
Dee Aitch Brand D-D Soil Fumigant			
D-D	100.00	55.83	Not Registered
Theoretical chlorine	55.00		
The Dow Chemical Co.			
Dow Bathroom Cleaner			
4-Chloro 2-cyclopentylphenol ...	0.02	Present	Passed
Tetrasodium salt of ethylene- diamine tetraacetic acid	2.47		
2,4,5-Tribromosalicylanilide	0.20		
Theoretical nitrogen	0.19		
Ruelene 25E			
Ruelene	25.00	25.92	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Geigy Agricultural Chemicals Division of Geigy Chemical Corp.			
Geigy Atrazine 80W			
Atrazine (Including related compounds)	80.00	80.01	Passed
Geigy Pramitol 25E			
Prometone	25.00	24.31	Passed
W. R. Grace and Company			
Maxwell Insecticides Garden Soil Fumigant			
Ethylene dibromide	41.00	40.09	Passed
Pennsalt Chemicals Corp. Agricultural Chemical Div.			
Penar			
Penar	56.50	54.77	Passed
Planters Chemical Co.			
Planters 2% Trithion Dust			
Carbophenothion	2.00	1.80	Not Registered
Rigo Manufacturing Co.			
Kill-Ko Dog Gone Bomb			
Methyl nonyl ketone	1.90	Present	Passed
Shell Chemical Co. Agricultural Chemical Div.			
Rabon Insecticide Emulsible Concentrate, 2 Lb./Gal.			
2-Chloro-1-(2,4,5-trichloro- phenyl) vinyl dimethyl phosphate	24.30	26.55	Passed
Southern Agricultural Insecticides, Inc.			
SA-50 Brand 2% Methomyl Insecticide Dust			
Methomyl	2.00	1.97	Passed
Stauffer Chemical Co.			
Tillam 6-E			
Pebulate	77.56	79.41	Misbranded

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Stephenson Chemicals Company, Inc.			
Stephenson Chemicals 2.5% Heptachlor Granules			
Heptachlor (Including related compounds)	3.47	4.10	Excessive Active Ingredient Not Registered
Sudbury Laboratory, Inc.			
Chaperone Repel-O-Sticks			
Allyl isothiocyanate	0.20	Present	Passed
Oil of lemongrass	11.00	Present	
Thompson-Hayward Chemical Co.			
T-H Casoron W-50			
Dichlobenil	50.00	52.69	Passed
Velsicol Chemical Corp.			
Banvel D Herbicide			
Dimethylamine salt of dicamba (Including related compounds)	56.90	55.08	Passed
Walgreen Laboratories, Inc.			
Walgreen's Insect Repellent			
Ethyl hexanediol	20.00	19.86	Passed
William Cooper and Nephews, Inc.			
Pulvex Fly Repellent			
Butoxypolypropyleneglycol	100.00	99.50	Not Registered

